

## **California Short-Term Projections 2003-2005**

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## **California Short-Term Industry Projections 2003-2005**

The Employment Development Department's Labor Market Information Division (LMID) developed these employment projections for the fourth quarter of 2003 to the fourth quarter of 2005. LMID staff used a method designed by a consortium of states and Department of Labor / Employment and Training Administration. The method relies on monthly historical time-series data for each industry. Industries are projected individually using a variety of econometric models, including some that use leading indicator data. These projections were developed while consulting other industry forecasts and were reviewed by government forecasters inside and outside of LMID.

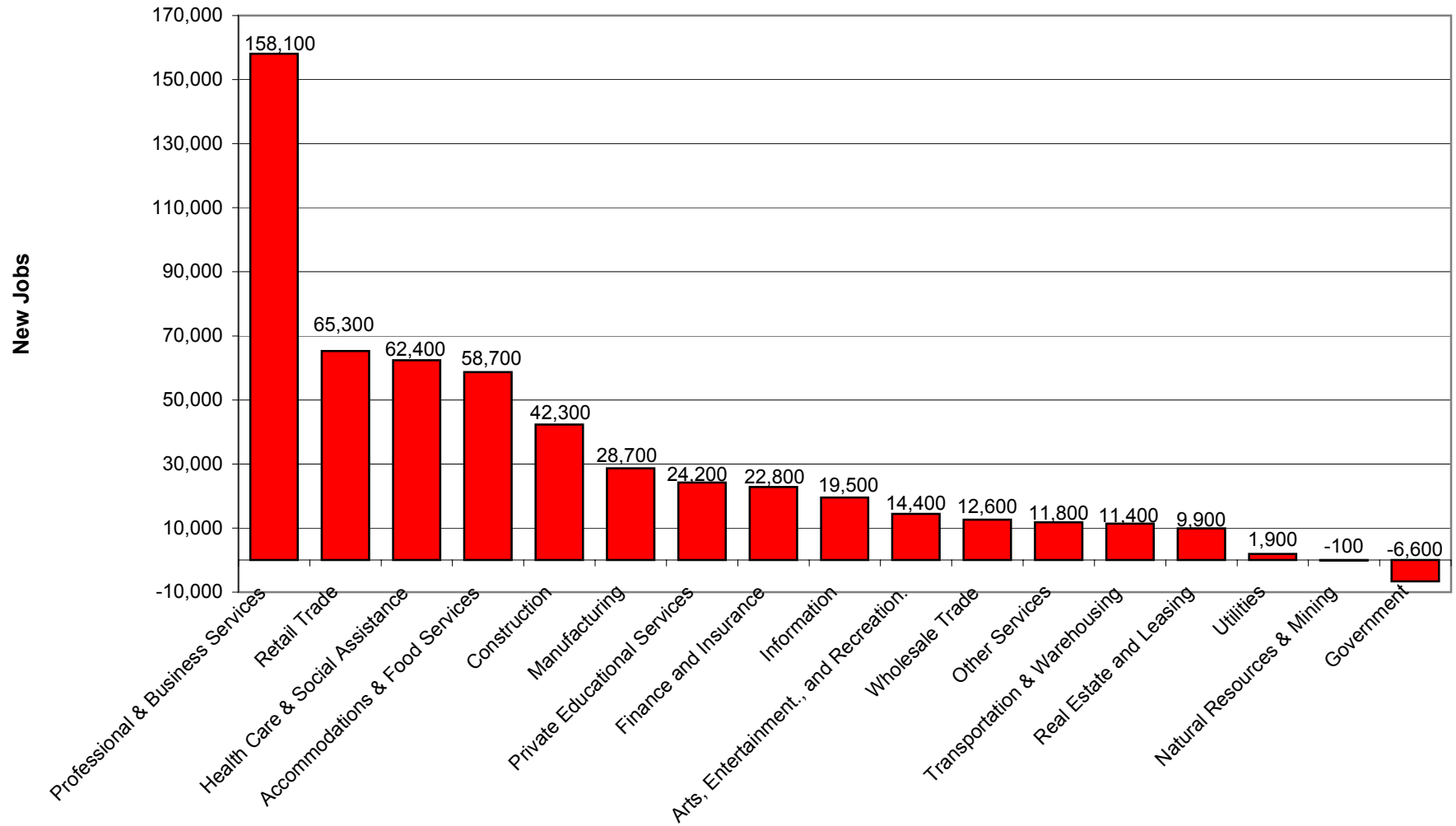
Employment in California is expected to grow at an annual rate of about 1.8 percent in 2004 and 2005. The result will be about 537,000 new jobs by the end of 2005.

Most of the growth in new jobs is forecasted to occur in industry sectors Professional and Business Services, Health Care and Social Assistance, Retail Trade and Accommodation and Food Services. Nearly 30 percent of job growth over the two-year period will occur in Professional and Business Services. Most of the firms in this sector provide Professional, Scientific and Technical Services or Administrative and Support Services to other businesses. Another 24 percent of job growth will be split between the Retail Trade and Health Care and Social Assistance sectors. Nearly 11 percent of job growth will occur in Accommodation and Food Services.

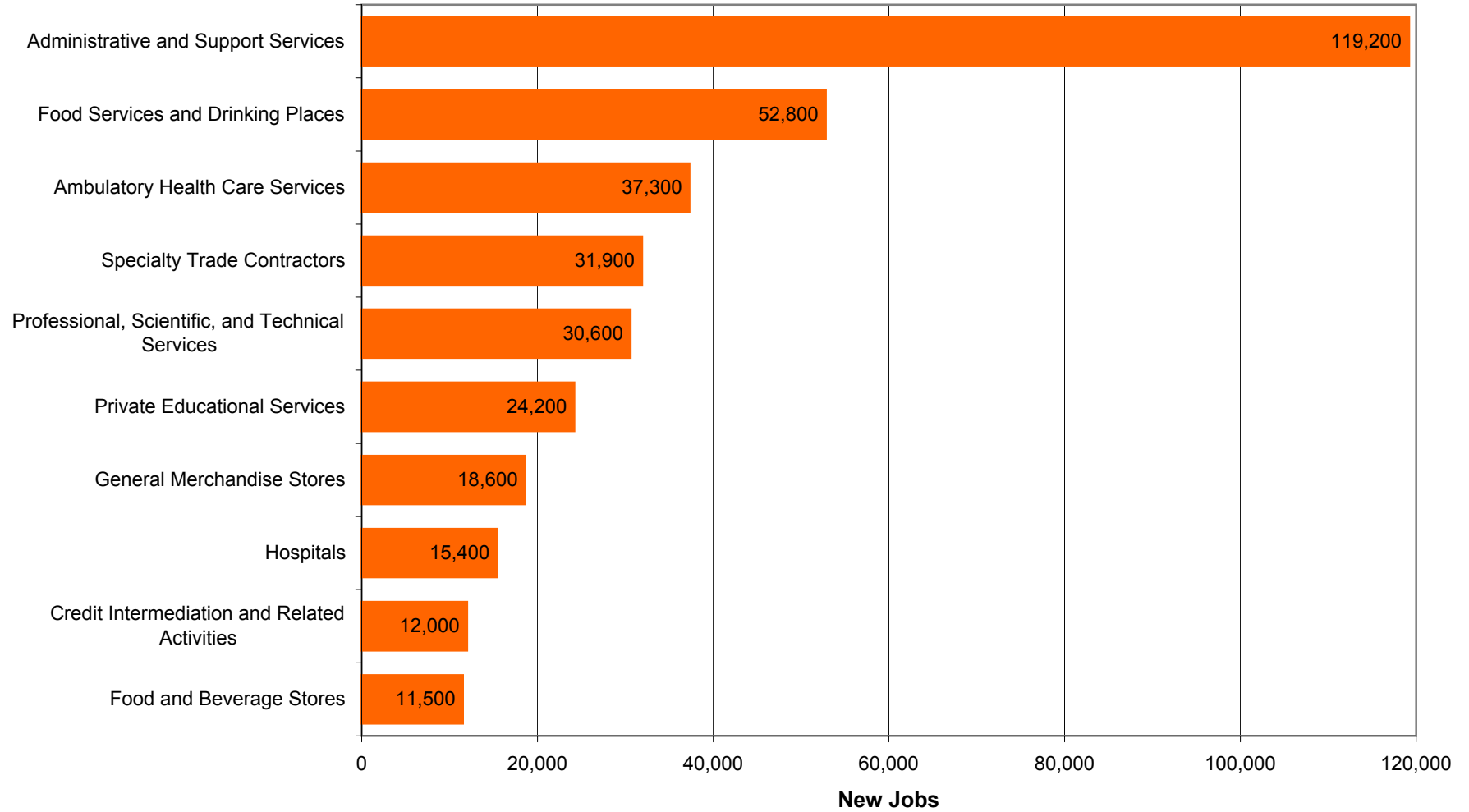
At a more detailed level, the Administrative and Support Services industry will gain nearly 30 percent of all the new jobs during the two year forecast period. In general, this subsector includes many of the support functions that maintain the day-to-day operations of businesses across all industries and includes a wide range of other activities such as Temporary Help Agencies, Office Support, Landscaping and Janitorial Services, Call Centers and Telemarketing. Food Services and Drinking Places will produce the second largest growth followed by Ambulatory Health Care Services (generally, outpatient services).

Along with producing the most new jobs, the Administrative and Support Services subsector is also the growing at the fastest rate, over 6 percent annually. Private Educational Services is growing at the next fastest rate of 4.4 percent annually. Beverage and Tobacco Product Manufacturing, which includes the rapidly expanding wine industry, is the third fastest growing industry.

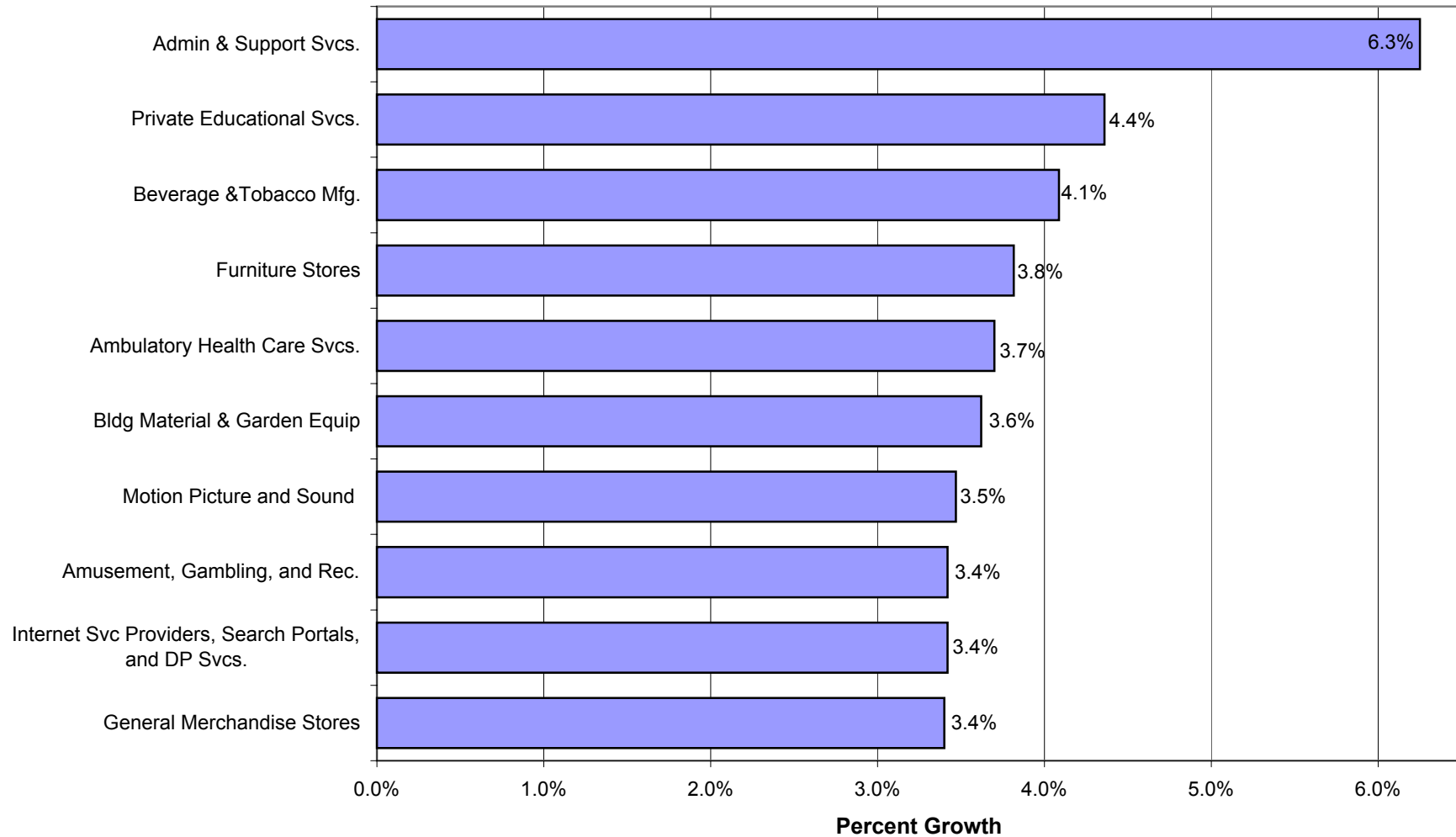
# California Short-Term Industry Projections 2003-2005 Industry Sector Growth



# California Short-Term Industry Projections 2003-2005 Top Ten Growth Industries



**California Short-Term Industry Projections 2003-2005**  
**Fastest Growing Industries**  
(with employment of at least 15,000 in 2003)



# California Short-Term Industry Employment Projections 2003-2005

Table 1

NAICS Code	Industry	Employment		Numerical Change	Percent Change
		2003-4	2005-4		
	<b>Total Nonfarm</b>	<b>14,519,700</b>	<b>15,056,700</b>	<b>537,000</b>	<b>3.7%</b>
	<b>Natural Resources and Mining</b>	<b>22,300</b>	<b>22,200</b>	<b>-100</b>	<b>-0.4%</b>
113300	Logging	3,000	2,600	-400	-13.3%
	<b>Mining</b>	<b>19,300</b>	<b>19,600</b>	<b>300</b>	<b>1.6%</b>
211000	Oil and Gas Extraction	5,900	6,200	300	5.1%
212000	Mining (except Oil and Gas)	6,400	6,300	-100	-1.6%
213000	Support Activities for Mining	7,000	7,000	0	0.0%
	<b>Construction</b>	<b>803,200</b>	<b>845,500</b>	<b>42,300</b>	<b>5.3%</b>
236000	Construction of Buildings	184,100	193,900	9,800	5.3%
237000	Heavy and Civil Engineering Construction	87,500	88,100	600	0.7%
238000	Specialty Trade Contractors	531,700	563,600	31,900	6.0%
	<b>Manufacturing</b>	<b>1,525,500</b>	<b>1,554,200</b>	<b>28,700</b>	<b>1.9%</b>
	<b>Nondurable Manufacturing</b>	<b>557,300</b>	<b>567,000</b>	<b>9,700</b>	<b>1.7%</b>
311000	Food Manufacturing	157,100	163,800	6,700	4.3%
312000	Beverage and Tobacco Product Manufacturing	36,700	39,700	3,000	8.2%
313000	Textile Mills	12,700	12,700	0	0.0%
314000	Textile Product Mills	17,100	17,700	600	3.5%
315000	Apparel Manufacturing	83,900	81,400	-2,500	-3.0%
316000	Leather and Allied Product Manufacturing	4,800	5,000	200	4.2%
322000	Paper Manufacturing	30,200	30,000	-200	-0.7%
323000	Printing and Related Support Activities	63,200	62,200	-1,000	-1.6%
324000	Petroleum and Coal Products Manufacturing	14,900	14,500	-400	-2.7%
325000	Chemical Manufacturing	78,400	82,700	4,300	5.5%
326000	Plastics and Rubber Products Manufacturing	58,500	57,200	-1,300	-2.2%
	<b>Durable Manufacturing</b>	<b>968,200</b>	<b>987,200</b>	<b>19,000</b>	<b>2.0%</b>
321000	Wood Product Manufacturing	40,200	42,400	2,200	5.5%
327000	Nonmetallic Mineral Product Manufacturing	45,000	47,400	2,400	5.3%
331000	Primary Metal Manufacturing	24,600	24,500	-100	-0.4%
332000	Fabricated Metal Product Manufacturing	136,900	141,700	4,800	3.5%

# California Short-Term Industry Employment Projections 2003-2005

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NAICS Code	Industry	Employment		Numerical Change	Percent Change
		2003-4	2005-4		
333000	Machinery Manufacturing	84,800	83,400	-1,400	-1.7%
334000	Computer and Electronic Product Manufacturing	320,000	326,800	6,800	2.1%
335000	Electrical Equipment, Appliance, and Component Manufacturing	36,200	36,500	300	0.8%
336000	Transportation Equipment Manufacturing	128,200	134,500	6,300	4.9%
337000	Furniture and Related Product Manufacturing	61,400	60,400	-1,000	-1.6%
339000	Miscellaneous Manufacturing	90,800	89,700	-1,100	-1.2%
	<b>Trade, Transportation, &amp; Utilities</b>	<b>2,785,700</b>	<b>2,877,000</b>	<b>91,300</b>	<b>3.3%</b>
	<b>Wholesale Trade</b>	<b>652,000</b>	<b>664,600</b>	<b>12,600</b>	<b>1.9%</b>
423000	Merchant Wholesalers, Durable Goods	342,800	343,000	200	0.1%
424000	Merchant Wholesalers, Nondurable Goods	234,800	242,600	7,800	3.3%
425000	Wholesale Electronic Markets and Agents and Brokers	74,300	79,000	4,700	6.3%
	<b>Retail Trade</b>	<b>1,648,500</b>	<b>1,713,800</b>	<b>65,300</b>	<b>4.0%</b>
441000	Motor Vehicle and Parts Dealers	209,900	220,400	10,500	5.0%
442000	Furniture and Home Furnishings Stores	64,200	69,100	4,900	7.6%
443000	Electronics and Appliance Stores	81,500	84,700	3,200	3.9%
444000	Building Material and Garden Equipment and Supplies Dealers	124,300	133,300	9,000	7.2%
445000	Food and Beverage Stores	329,000	340,500	11,500	3.5%
446000	Health and Personal Care Stores	106,400	109,400	3,000	2.8%
447000	Gasoline Stations	55,500	55,500	0	0.0%
448000	Clothing and Clothing Accessories Stores	179,100	186,300	7,200	4.0%
451000	Sporting Goods, Hobby, Book, and Music Stores	86,800	85,100	-1,700	-2.0%
452000	General Merchandise Stores	273,500	292,100	18,600	6.8%
453000	Miscellaneous Store Retailers	107,200	107,500	300	0.3%
454000	Nonstore Retailers	31,100	29,800	-1,300	-4.2%

# California Short-Term Industry Employment Projections 2003-2005

Table 1

NAICS Code	Industry	Employment		Numerical Change	Percent Change
		2003-4	2005-4		
	<b>Transportation, Warehousing and Utilities</b>	<b>485,300</b>	<b>498,600</b>	<b>13,300</b>	<b>2.7%</b>
<b>221000</b>	<b>Utilities</b>	<b>55,800</b>	<b>57,700</b>	<b>1,900</b>	<b>3.4%</b>
	<b>Transp &amp; Warehousing</b>	<b>429,500</b>	<b>440,900</b>	<b>11,400</b>	<b>2.7%</b>
481000	Air Transportation	52,000	54,000	2,000	3.8%
482000	Rail Transportation	12,900	12,900	0	0.0%
483000	Water Transportation	4,300	4,400	100	2.3%
484000	Truck Transportation	111,000	112,200	1,200	1.1%
485000	Transit and Ground Passenger Transportation	35,500	36,000	500	1.4%
486000	Pipeline and Scenic and Sightseeing Transportation (includes 486&487)	6,600	6,700	100	1.5%
488000	Support Activities for Transportation	75,000	77,200	2,200	2.9%
492000	Couriers and Messengers	74,400	77,400	3,000	4.0%
493000	Warehousing and Storage	57,700	60,100	2,400	4.2%
	<b>Information</b>	<b>467,300</b>	<b>486,800</b>	<b>19,500</b>	<b>4.2%</b>
511000	Publishing Industries (except Internet)	104,500	106,100	1,600	1.5%
512000	Motion Picture and Sound Recording Industries	141,400	151,200	9,800	6.9%
515000	Broadcasting (except Internet)	45,400	48,400	3,000	6.6%
517000	Telecommunications	118,500	119,800	1,300	1.1%
518000	Internet Service Providers, Web Search Portals, and DP Services	48,200	51,500	3,300	6.8%
519000	Other Information Services (includes 516 & 519)	9,300	9,800	500	5.4%
	<b>Financial Activities</b>	<b>896,000</b>	<b>928,700</b>	<b>32,700</b>	<b>3.6%</b>
	<b>Finance and Insurance</b>	<b>618,100</b>	<b>640,900</b>	<b>22,800</b>	<b>3.7%</b>
522000	Credit Intermediation and Related Activities	299,000	311,000	12,000	4.0%
523000	Securities, Commodity Contracts, and Other Financial Investments	86,500	89,600	3,100	3.6%
524000	Insurance Carriers and Related Activities	221,300	228,400	7,100	3.2%
	Other Finance (includes 521 & 525)	11,300	11,900	600	5.3%
	<b>Real Estate and Leasing</b>	<b>277,900</b>	<b>287,800</b>	<b>9,900</b>	<b>3.6%</b>
531000	Real Estate	198,000	206,200	8,200	4.1%
532000	Rental and Leasing Services	76,600	78,600	2,000	2.6%
533000	Lessors of Nonfinancial Intangible Assets (ex. Copyrighted Works)	3,400	3,000	-400	-11.8%



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Table 1

NAICS Code	Industry	Employment		Numerical Change	Percent Change
		2003-4	2005-4		
	<b>Professional &amp; Business Services</b>	<b>2,143,200</b>	<b>2,301,300</b>	<b>158,100</b>	<b>7.4%</b>
541000	Professional, Scientific, and Technical Services	898,100	928,700	30,600	3.4%
551000	Management of Companies and Enterprises	255,400	262,100	6,700	2.6%
561000	Administrative and Support Services	953,300	1,072,500	119,200	12.5%
562000	Waste Management and Remediation Services	36,400	38,000	1,600	4.4%
	<b>Education &amp; Health Services</b>	<b>1,562,800</b>	<b>1,649,300</b>	<b>86,500</b>	<b>5.5%</b>
611000	Private Educational Services	277,200	301,400	24,200	8.7%
<b>620000</b>	<b>Health Care and Social Assistance</b>	<b>1,285,600</b>	<b>1,348,000</b>	<b>62,400</b>	<b>4.9%</b>
621000	Ambulatory Health Care Services	503,400	540,700	37,300	7.4%
622000	Hospitals	367,900	383,300	15,400	4.2%
623000	Nursing and Residential Care Facilities	226,300	231,500	5,200	2.3%
624000	Social Assistance	187,900	192,400	4,500	2.4%
	<b>Leisure and Hospitality</b>	<b>1,394,700</b>	<b>1,467,700</b>	<b>73,000</b>	<b>5.2%</b>
<b>710000</b>	<b>Arts, Entertainment, and Recreation</b>	<b>228,900</b>	<b>243,300</b>	<b>14,400</b>	<b>6.3%</b>
711000	Performing Arts, Spectator Sports, and Related Industries	58,100	60,800	2,700	4.6%
712000	Museums, Historical Sites, and Similar Institutions	13,000	13,900	900	6.9%
713000	Amusement, Gambling, and Recreation Industries	157,800	168,600	10,800	6.8%
<b>720000</b>	<b>Accommodation and Food Services</b>	<b>1,165,800</b>	<b>1,224,500</b>	<b>58,700</b>	<b>5.0%</b>
721000	Accommodation	188,700	194,600	5,900	3.1%
722000	Food Services and Drinking Places	977,100	1,029,900	52,800	5.4%
<b>810000</b>	<b>Other Services</b>	<b>504,300</b>	<b>516,100</b>	<b>11,800</b>	<b>2.3%</b>
811000	Repair and Maintenance	155,300	162,000	6,700	4.3%
812000	Personal and Laundry Services	134,800	136,200	1,400	1.0%
813000	Religious, Grantmaking, Civic, Prof., and Similar Organizations	214,200	217,900	3,700	1.7%

# California Short-Term Industry Employment Projections 2003-2005

Table 1

NAICS Code	Industry	Employment		Numerical Change	Percent Change
		2003-4	2005-4		
	<b>Government</b>	<b>2,414,500</b>	<b>2,407,900</b>	<b>-6,600</b>	<b>-0.3%</b>
	<b>Federal Government</b>	<b>256,500</b>	<b>255,500</b>	<b>-1,000</b>	<b>-0.4%</b>
911000	National Defense	58,200	58,400	200	0.3%
912000	Other Federal Government	198,300	197,100	-1,200	-0.6%
	<b>State &amp; Local Government</b>	<b>2,157,900</b>	<b>2,152,400</b>	<b>-5,500</b>	<b>-0.3%</b>
921000	State Government Education	213,700	212,800	-900	-0.4%
922000	Other State Government	259,200	255,600	-3,600	-1.4%
931000	Local Government Education	951,400	948,700	-2,700	-0.3%
932000	Other Local Government	733,700	735,300	1,600	0.2%

Note: Industry detail may not add up to totals due to independent rounding.

## **California Short-Term Occupational Projections 2003-2005**

The Employment Development Department Labor Market Information Division's (LMID) occupational employment projections provide job seekers with information about the short-term job outlook. Tables 2 and 3 list the largest growing occupations and occupations with the fastest percent growth, respectively. These tables also provide the education and training level required and wages for each occupation. Table 4 includes all occupations and provides the occupational outlook, wages, training levels as well as separation information. Separations are the number of individuals expected to leave the occupation permanently. A person may leave due to retirement, for personal reasons, or for another career.

LMID forecasts California's employment to grow at an annual rate of about 1.8 percent for the period 2003-2005. California's 2003 employment of approximately 14.5 million is expected to exceed 15 million by the end of 2005. In addition to an increase of over 500,000 new jobs, the number of separations is expected to surpass 725,000. About 40 percent or over 200,000 new jobs will require 30-days on-the-job training and 15 percent or over 82,000 jobs will require 1-12 months of on-the-job training. At the higher end of the training categories, about 12 percent or over 65,000 jobs will require a bachelor's degree.

The 50 largest growing occupations will create nearly 300,000 new jobs or about 55 percent of the state's job growth (See Table 2). Of these top-growing occupations, over 167,000 new jobs will require 30-days on-the-job training with a median hourly wage range of \$7.41 to \$14.74. This category includes occupations in the Retail Trade and Accommodation and Food Service industries. The 1-12 months of on-the-job training level includes nearly 45,000 new jobs occupations with a median hourly range of \$12.81 to \$22.49. Occupations in this category can be found in the Healthcare Services, Professional, Scientific, and Technical Services and Finance and Insurance industries. At the professional level, over 31,000 new jobs will require a bachelor's degree and have a median hourly range of \$26.32 to \$44.61. This category includes occupations in the Professional, Scientific and Technical Services, Retail Trade, and Wholesale Trade industries.

The majority of the fastest growing occupations (Table 3) are expected to grow at a minimum of 3 percent annually. Several fast growing occupations are found in the Construction industry. These occupations generally fall into one of two training levels. Occupations that require 1-12 month on-the-job training have a median hourly range of \$16.59 to \$21.06 and those with 12-month on-the-job training have a range of \$18.97 to \$22.24. Fast growing occupations concentrated in the Health Care Service industry that require 1-12 month on-the-job training have a median hourly range of \$12.81 to \$16.00, while those that require an associate's degree have a range of \$13.45 to \$40.86. Computer related occupations found in the Professional, Scientific and Technical Services industry have a median hourly range of \$31.74 to \$42.18 and require a bachelor's degree.

**California Short-Term Occupational Projections 2003-2005**  
**Occupations With the Largest Growth**

Table 2

Occupation Code	Occupational Title	2003	2005	Change	Percent Change	Median Hourly Wage**	Education & Training Levels
41-2031	Retail Salespersons	455,300	476,400	21,100	4.6%	\$9.45	30-DAY OJT
33-9032	Security Guards	138,900	153,000	14,100	10.2%	\$9.66	30-DAY OJT
41-2011	Cashiers	370,000	384,100	14,100	3.8%	\$8.56	30-DAY OJT
35-3021	Combined Food Prep. and Serving Workers, Including Fast Food	217,800	231,600	13,800	6.3%	\$7.79	30-DAY OJT
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	216,800	228,600	11,800	5.4%	\$9.47	30-DAY OJT
35-3031	Waiters and Waitresses	218,000	229,700	11,700	5.4%	\$7.44	30-DAY OJT
29-1111	Registered Nurses	208,100	218,900	10,800	5.2%	\$30.24	AA DEGREE
43-4051	Customer Service Representatives	198,500	209,100	10,600	5.3%	\$14.43	1-12 MO OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	270,200	280,600	10,400	3.8%	\$9.29	30-DAY OJT
37-3011	Landscaping and Groundskeeping Workers	118,800	128,100	9,300	7.8%	\$10.02	30-DAY OJT
11-1021	General and Operations Managers	224,700	233,500	8,800	3.9%	\$44.47	BA/BS + EXPER
43-9061	Office Clerks, General	405,800	414,500	8,700	2.1%	\$12.17	30-DAY OJT
43-4171	Receptionists and Information Clerks	128,700	136,200	7,500	5.8%	\$11.13	30-DAY OJT
41-4012	Sales Reps., Wholesale and Mfg., Ex. Technical & Scientific	165,700	172,700	7,000	4.2%	\$22.49	1-12 MO OJT
47-2031	Carpenters	120,100	127,100	7,000	5.8%	\$20.81	12-MO OJT
47-2061	Construction Laborers	105,500	111,200	5,700	5.4%	\$14.56	1-12 MO OJT
15-1031	Computer Software Engineers, Applications	75,100	80,500	5,400	7.2%	\$40.96	BA/BS DEGREE
31-9092	Medical Assistants	50,700	56,100	5,400	10.7%	\$12.81	1-12 MO OJT
53-7064	Packers and Packagers, Hand	117,000	122,400	5,400	4.6%	\$8.10	30-DAY OJT
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	120,200	125,500	5,300	4.4%	\$16.97	WORK EXPER
35-2014	Cooks, Restaurant	98,500	103,600	5,100	5.2%	\$9.82	12-MO OJT
49-9042	Maintenance and Repair Workers, General	123,200	128,000	4,800	3.9%	\$15.48	12-MO OJT
53-3032	Truck Drivers, Heavy and Tractor-Trailer	122,500	127,300	4,800	3.9%	\$17.11	1-12 MO OJT
35-2021	Food Preparation Workers	92,400	96,800	4,400	4.8%	\$8.60	30-DAY OJT
13-2011	Accountants and Auditors	107,400	111,700	4,300	4.0%	\$26.32	BA/BS DEGREE
43-6011	Executive Secretaries and Administrative Assistants	204,000	208,300	4,300	2.1%	\$19.12	1-12 MO OJT
53-3033	Truck Drivers, Light or Delivery Services	105,100	109,400	4,300	4.1%	\$11.79	30-DAY OJT
15-1032	Computer Software Engineers, Systems Software	49,400	53,400	4,000	8.1%	\$42.18	BA/BS DEGREE
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	88,200	92,200	4,000	4.5%	\$8.26	30-DAY OJT
37-2012	Maids and Housekeeping Cleaners	90,200	94,000	3,800	4.2%	\$8.49	30-DAY OJT
47-2111	Electricians	54,300	58,000	3,700	6.8%	\$22.24	12-MO OJT
35-1012	First-Line Sups/Managers of Food Prep and Serving Workers	74,700	78,300	3,600	4.8%	\$12.75	WORK EXPER
31-9091	Dental Assistants	44,800	48,300	3,500	7.8%	\$16.00	1-12 MO OJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	207,600	211,100	3,500	1.7%	\$15.73	1-12 MO OJT
43-1011	First-Line Sups/Managers of Office and Admin. Support Workers	172,700	176,100	3,400	2.0%	\$21.55	WORK EXPER
49-3023	Automotive Service Technicians and Mechanics	75,400	78,800	3,400	4.5%	\$16.37	POST-SEC VOC-ED

**California Short-Term Occupational Projections 2003-2005**  
**Occupations With the Largest Growth**

Table 2

Occupation Code	Occupational Title	2003	2005	Change	Percent Change	Median Hourly Wage**	Education & Training Levels
13-1111	Management Analysts	54,200	57,400	3,200	5.9%	\$33.23	BA/BS + EXPER
51-9111	Packaging and Filling Machine Operators and Tenders	43,700	46,900	3,200	7.3%	\$9.34	30-DAY OJT
25-9041	Teacher Assistants	178,400	181,500	3,100	1.7%	*	30-DAY OJT
31-1012	Nursing Aides, Orderlies, and Attendants	101,700	104,800	3,100	3.0%	\$10.58	30-DAY OJT
15-1041	Computer Support Specialists	56,400	59,400	3,000	5.3%	\$21.52	AA DEGREE
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	66,300	69,300	3,000	4.5%	\$7.41	30-DAY OJT
15-1051	Computer Systems Analysts	51,700	54,600	2,900	5.6%	\$33.09	BA/BS DEGREE
47-2152	Plumbers, Pipefitters, and Steamfitters	44,900	47,700	2,800	6.2%	\$20.91	12-MO OJT
31-1011	Home Health Aides	39,400	42,100	2,700	6.9%	\$9.03	30-DAY OJT
41-2021	Counter and Rental Clerks	59,900	62,600	2,700	4.5%	\$9.19	30-DAY OJT
11-2022	Sales Managers	40,500	43,100	2,600	6.4%	\$44.61	BA/BS + EXPER
43-3011	Bill and Account Collectors	47,200	49,800	2,600	5.5%	\$14.74	30-DAY OJT
39-9031	Fitness Trainers and Aerobics Instructors	25,000	27,400	2,400	9.6%	\$14.75	POST-SEC VOC-ED
43-3071	Tellers	66,800	69,200	2,400	3.6%	\$10.54	30-DAY OJT

Excludes "All Other" categories and occupations with less than 1,000 employment in 2003.

\*For some occupations, workers may not work full-time all year round. For these occupations it is not feasible to calculate an hourly wage.

\*\* Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below, and 50 percent earn wages above, the median wage

**Education and Training Levels**

LLD/MD DEGREE=FIRST PROFESSIONAL DEGREE

PHD DEGREE=DOCTORAL DEGREE

MA/MS DEGREE=MASTER'S DEGREE

BA/BS + EXPER=BACHELOR'S OR HIGHER AND SOME WORK EXPERIENCE

BA/BS DEGREE=BACHELOR'S DEGREE

AA DEGREE=ASSOCIATE DEGREE

POST-SEC VOC-ED=POST-SECONDARY VOCATIONAL EDUCATION

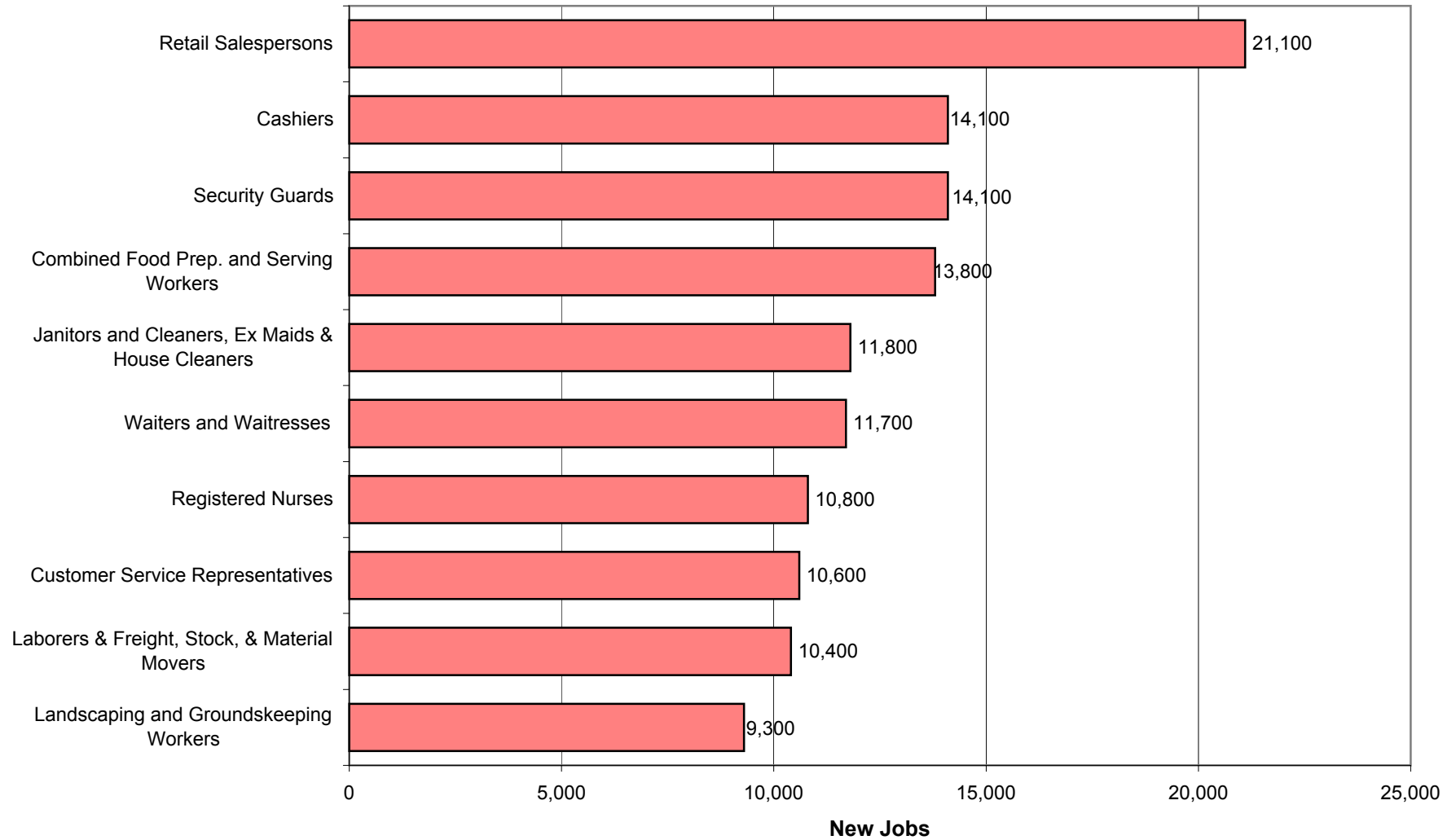
WORK EXPER=WORK EXPERIENCE

12-MO OJT=LONG-TERM ON-THE-JOB-TRAINING

1-12 MO OJT=MODERATE-TERM ON-THE-JOB-TRAINING

30-DAY OJT=SHORT-TERM ON-THE-JOB-TRAINING

# **California Short-Term Industry Projections 2003-2005** **Ten Largest Growing Occupations**



**California Short-Term Occupational Projections 2003-2005**  
**Occupations With the Fastest Growth**

Table 3

Occupation Code	Occupational Title	2003	2005	Change	Percent Change	Median Hourly Wage**	Education and Training Level
31-9092	Medical Assistants	50,700	56,100	5,400	10.7%	\$12.81	1-12 MO OJT
15-1081	Network Systems and Data Communications Analysts	19,700	21,800	2,100	10.7%	\$31.74	BA/BS DEGREE
33-9032	Security Guards	138,900	153,000	14,100	10.2%	\$9.66	30-DAY OJT
37-2021	Pest Control Workers	9,200	10,100	900	9.8%	\$12.87	1-12 MO OJT
49-2098	Security and Fire Alarm Systems Installers	5,200	5,700	500	9.6%	\$16.81	POST-SEC VOC-ED
39-9031	Fitness Trainers and Aerobics Instructors	25,000	27,400	2,400	9.6%	\$8.56	POST-SEC VOC-ED
37-3013	Tree Trimmers and Pruners	6,800	7,400	600	8.8%	\$12.55	30-DAY OJT
15-1032	Computer Software Engineers, Systems Software	49,400	53,400	4,000	8.1%	\$42.18	BA/BS DEGREE
29-2021	Dental Hygienists	17,400	18,800	1,400	8.0%	\$40.86	AA DEGREE
51-9122	Painters, Transportation Equipment	6,300	6,800	500	7.9%	\$19.13	1-12 MO OJT
29-2071	Medical Records and Health Information Technicians	15,200	16,400	1,200	7.9%	\$13.45	AA DEGREE
37-3011	Landscaping and Groundskeeping Workers	118,800	128,100	9,300	7.8%	\$10.02	30-DAY OJT
31-9091	Dental Assistants	44,800	48,300	3,500	7.8%	\$16.00	1-12 MO OJT
47-2044	Tile and Marble Setters	9,000	9,700	700	7.8%	\$19.19	12-MO OJT
49-9021	Heating, Air Conditioning, and Refrig. Mechs.& Installers	11,700	12,600	900	7.7%	\$20.77	12-MO OJT
47-2051	Cement Masons and Concrete Finishers	25,100	27,000	1,900	7.6%	\$18.97	12-MO OJT
15-1061	Database Administrators	13,400	14,400	1,000	7.5%	\$31.62	BA/BS DEGREE
13-2052	Personal Financial Advisors	12,100	13,000	900	7.4%	\$30.44	BA/BS DEGREE
51-9111	Packaging and Filling Machine Operators and Tenders	43,700	46,900	3,200	7.3%	\$9.34	30-DAY OJT
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	11,000	11,800	800	7.3%	\$7.71	30-DAY OJT
47-2082	Tapers	9,700	10,400	700	7.2%	\$21.06	1-12 MO OJT
15-1031	Computer Software Engineers, Applications	75,100	80,500	5,400	7.2%	\$40.96	BA/BS DEGREE
29-1126	Respiratory Therapists	9,800	10,500	700	7.1%	\$23.31	AA DEGREE
47-2081	Drywall and Ceiling Tile Installers	28,100	30,100	2,000	7.1%	\$20.24	1-12 MO OJT
27-1026	Merchandise Displayers and Window Trimmers	8,500	9,100	600	7.1%	\$11.29	1-12 MO OJT
31-1011	Home Health Aides	39,400	42,100	2,700	6.9%	\$9.03	30-DAY OJT
29-1123	Physical Therapists	11,700	12,500	800	6.8%	\$32.65	MA/MS DEGREE
47-2111	Electricians	54,300	58,000	3,700	6.8%	\$22.24	12-MO OJT
13-1071	Employment, Recruitment, and Placement Specialists	17,800	19,000	1,200	6.7%	\$23.81	BA/BS DEGREE
37-1012	First-Line Sups/Mgrs of Landscaping, Lawn Svc,& Groundskeeping Wkrs	11,900	12,700	800	6.7%	\$18.25	WORK EXPER
41-9011	Demonstrators and Product Promoters	18,000	19,200	1,200	6.7%	\$9.16	1-12 MO OJT
27-1014	Multi-Media Artists and Animators	7,500	8,000	500	6.7%	\$31.75	BA/BS DEGREE
11-3021	Computer and Information Systems Managers	35,000	37,300	2,300	6.6%	\$50.27	BA/BS + EXPER
43-5111	Recordkeeping	10,700	11,400	700	6.5%	\$12.19	30-DAY OJT
25-3021	Self-Enrichment Education Teachers	24,600	26,200	1,600	6.5%	\$15.45	WORK EXPER
27-4011	Audio and Video Equipment Technicians	6,200	6,600	400	6.5%	\$19.65	12-MO OJT

**California Short-Term Occupational Projections 2003-2005**  
**Occupations With the Fastest Growth**

Table 3

Occupation Code	Occupational Title	2003	2005	Change	Percent Change	Median Hourly Wage**	Education and Training Level
15-1071	Network and Computer Systems Administrators	32,700	34,800	2,100	6.4%	\$30.56	BA/BS DEGREE
11-2022	Sales Managers	40,500	43,100	2,600	6.4%	\$44.61	BA/BS + EXPER
29-1122	Occupational Therapists	6,300	6,700	400	6.3%	\$30.36	BA/BS DEGREE
35-3021	Combined Food Prep. and Serving Workers, Including Fast Food	217,800	231,600	13,800	6.3%	\$7.79	30-DAY OJT
29-2041	Emergency Medical Technicians and Paramedics	14,400	15,300	900	6.3%	\$12.16	POST-SEC VOC-ED
29-2052	Pharmacy Technicians	19,200	20,400	1,200	6.3%	\$15.50	1-12 MO OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	44,900	47,700	2,800	6.2%	\$20.91	12-MO OJT
27-2012	Producers and Directors	11,300	12,000	700	6.2%	*	BA/BS + EXPER
47-2181	Roofers	17,900	19,000	1,100	6.1%	\$18.51	1-12 MO OJT
19-1042	Medical Scientists, Except Epidemiologists	9,800	10,400	600	6.1%	\$30.91	PHD DEGREE
29-1051	Pharmacists	21,400	22,700	1,300	6.1%	\$45.16	LLD/MD DEGREE
47-2041	Carpet Installers	9,900	10,500	600	6.1%	\$16.59	1-12 MO OJT
29-2056	Veterinary Technologists and Technicians	6,600	7,000	400	6.1%	\$12.96	AA DEGREE
47-2021	Brickmasons and Blockmasons	6,800	7,200	400	5.9%	\$21.15	12-MO OJT

Excludes "All Other" categories and occupations with less than 5,000 employment in 2003.

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\*\* Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below, and 50 percent earn wages above the median wage.

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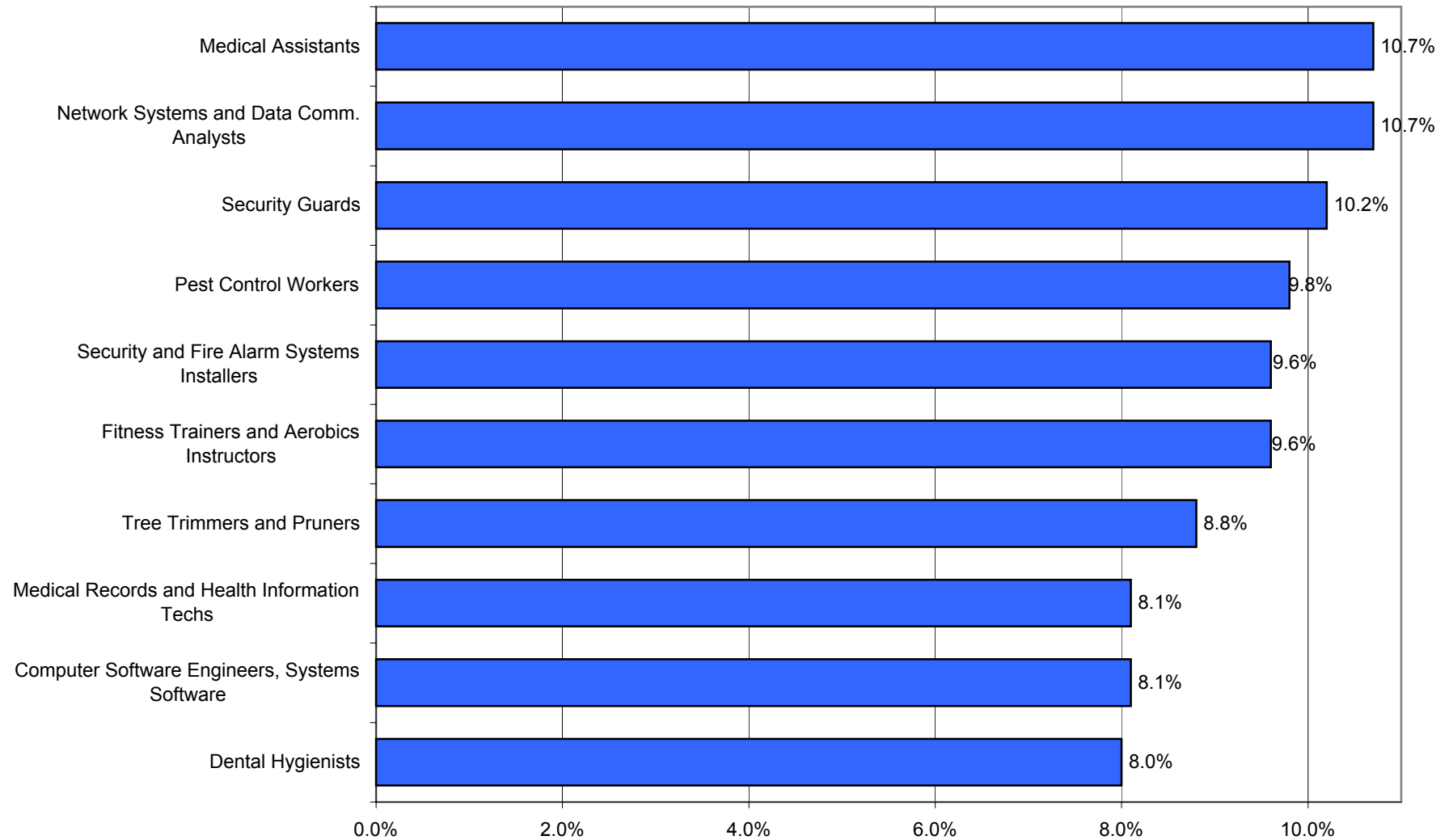
12-MO OJT=LONG-TERM ON-THE-JOB-TRAINING

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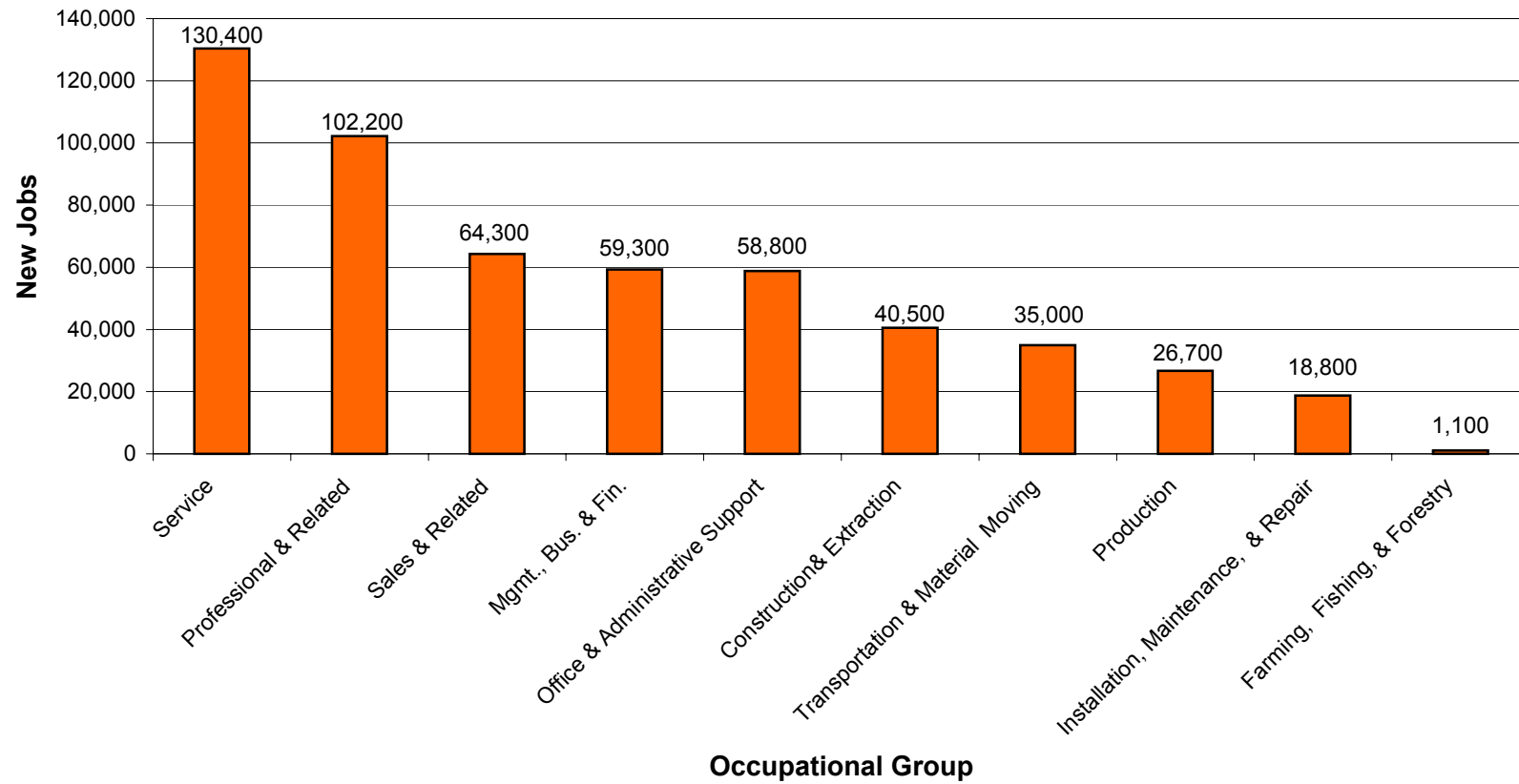
30-DAY OJT=SHORT-TERM ON-THE-JOB-TRAINING



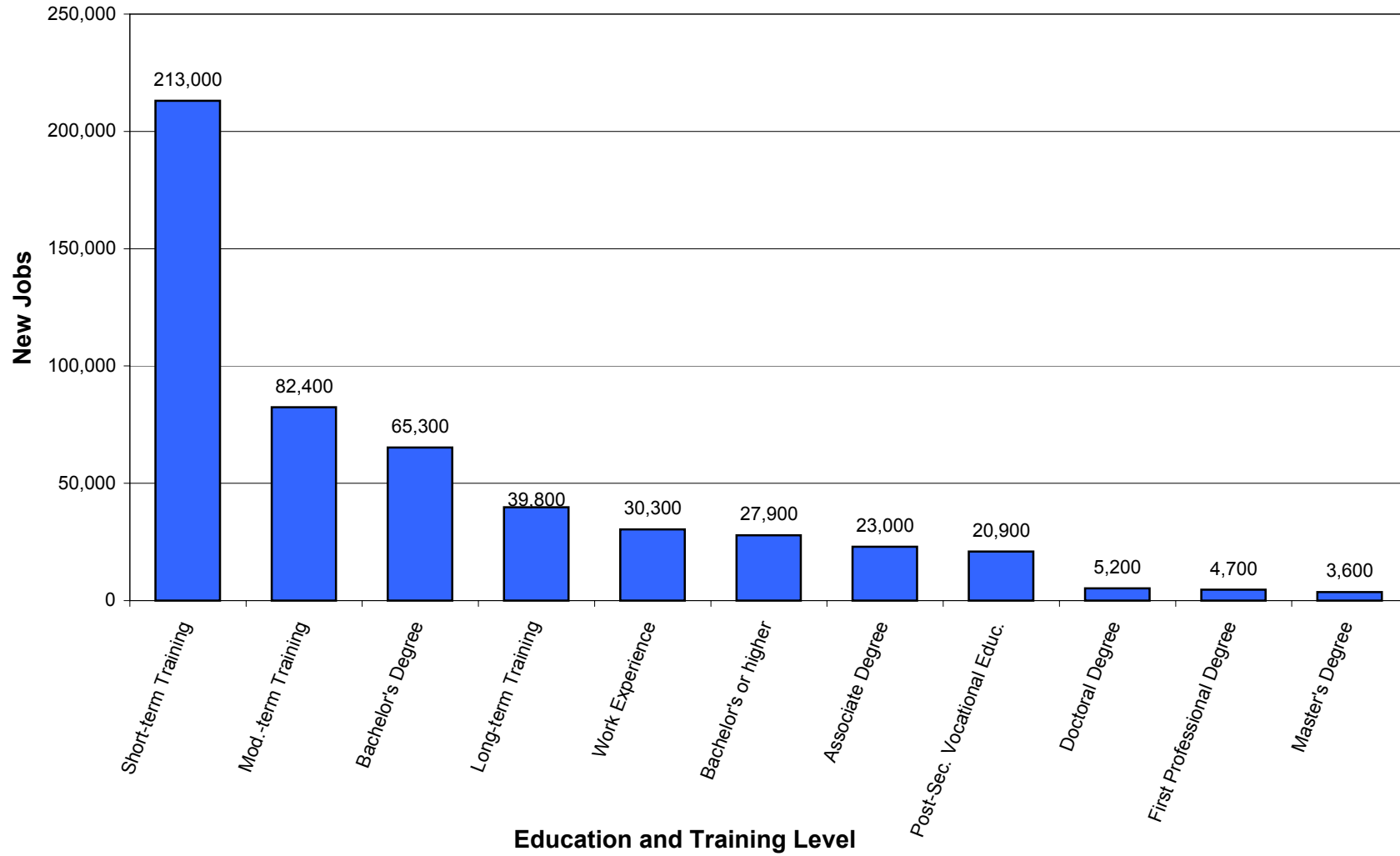
# California Short-Term Industry Projections 2003-2005 Ten Fastest Growing Occupations



**California Short-Term Occupational Projections 2003-2005  
Growth By Major Occupational Group**



# California Short Term Occupational Projections 2003-2005 Employment Growth By Education and Training Level



**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

<b>Occupational Code</b>	<b>Occupational Title</b>	<b>2003</b>	<b>2005</b>	<b>Growth Numerical</b>	<b>Growth Percent</b>	<b>Separations</b>	<b>Median Hourly Wage</b>	<b>Education &amp; Training Level</b>
	<b>Total, All Occupations</b>	<b>14,519,700</b>	<b>15,056,700</b>	<b>537,000</b>	<b>3.7</b>	<b>725,500</b>	<b>\$15.10</b>	
<b>11-13-0000</b>	<b>Management, Business, and Financial Occupations</b>	<b>1,436,200</b>	<b>1,495,500</b>	<b>59,300</b>	<b>4.1</b>	<b>46,600</b>	<b>\$33.93</b>	
11-0000	Management Occupations	785,700	817,500	31,800	4.0	26,000	\$41.53	
11-1000	Top Executives	270,200	280,700	10,500	3.9	9,000	NA	
11-1011	Chief Executives	42,400	44,100	1,700	4.0	1,400	>\$70.01	BA/BS + EXPER
11-1021	General and Operations Managers	224,700	233,500	8,800	3.9	7,500	\$44.47	BA/BS + EXPER
11-1031	Legislators	3,100	3,100	0	0.0	100	\$20.78	BA/BS + EXPER
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	87,800	92,600	4,800	5.5	2,900	NA	
11-2011	Advertising and Promotions Managers	9,600	10,000	400	4.2	300	\$36.04	BA/BS + EXPER
11-2021	Marketing Managers	30,900	32,400	1,500	4.9	1,000	\$46.27	BA/BS + EXPER
11-2022	Sales Managers	40,500	43,100	2,600	6.4	1,300	\$44.61	BA/BS + EXPER
11-2031	Public Relations Managers	6,800	7,100	300	4.4	200	\$37.58	BA/BS + EXPER
11-3000	Operations Specialties Managers	180,700	188,300	7,600	4.2	5,400	NA	
11-3011	Administrative Services Managers	32,500	33,700	1,200	3.7	1,100	\$32.46	BA/BS + EXPER
11-3021	Computer and Information Systems Managers	35,000	37,300	2,300	6.6	1,100	\$50.27	BA/BS + EXPER
11-3031	Financial Managers	58,800	61,100	2,300	3.9	1,400	\$43.87	BA/BS + EXPER
11-3040	Human Resources Managers	18,700	19,400	700	3.7	500	\$37.98	BA/BS + EXPER
11-3051	Industrial Production Managers	15,600	16,100	500	3.2	500	\$38.02	BA/BS DEGREE
11-3061	Purchasing Managers	10,400	10,600	200	1.9	400	\$37.37	BA/BS + EXPER
11-3071	Transportation, Storage, and Distribution Managers	9,700	10,000	300	3.1	300	\$33.35	WORK EXPER
11-9000	Other Management Occupations	247,100	255,800	8,700	3.5	8,700	NA	
11-9021	Construction Managers	19,600	20,500	900	4.6	600	\$38.20	BA/BS DEGREE
11-9031	Education Administrators, Preschool and Child Care Center/Program	6,900	7,000	100	1.4	300	\$18.95	BA/BS + EXPER
11-9032	Education Administrators, Elementary and Secondary School	21,200	21,500	300	1.4	900	[4]	BA/BS + EXPER
11-9033	Education Administrators, Postsecondary	6,500	6,700	200	3.1	300	\$36.31	BA/BS + EXPER
11-9039	Education Administrators, All Other	3,000	3,100	100	3.3	100	NA	BA/BS + EXPER
11-9041	Engineering Managers	29,700	30,500	800	2.7	1,100	\$55.29	BA/BS + EXPER
11-9051	Food Service Managers	28,800	30,200	1,400	4.9	900	\$21.72	WORK EXPER
11-9061	Funeral Directors	1,200	1,200	0	0.0	100	\$24.23	AA DEGREE
11-9081	Lodging Managers	2,900	2,900	0	0.0	100	\$20.44	WORK EXPER
11-9111	Medical and Health Services Managers	17,500	18,400	900	5.1	600	\$37.92	BA/BS + EXPER
11-9121	Natural Sciences Managers	5,400	5,500	100	1.9	200	\$41.97	BA/BS + EXPER
11-9141	Property, Real Estate, and Community Association Managers	37,800	39,800	2,000	5.3	1,300	\$15.61	BA/BS DEGREE
11-9151	Social and Community Service Managers	13,500	13,800	300	2.2	500	\$26.25	BA/BS DEGREE
11-9199	Managers, All Other	51,500	53,100	1,600	3.1	1,800	\$39.07	WORK EXPER
13-0000	Business and Financial Operations Occupations	650,500	678,000	27,500	4.2	20,600	\$26.32	
13-1000	Business Operations Specialists	416,100	434,100	18,000	4.3	13,100	NA	
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	3,000	3,200	200	6.7	100	\$22.69	BA/BS + EXPER
13-1021	Purchasing Agents and Buyers, Farm Products	1,500	1,600	100	6.7	100	\$23.60	WORK EXPER
13-1022	Wholesale and Retail Buyers, Except Farm Products	18,700	19,000	300	1.6	1,000	\$21.48	BA/BS DEGREE
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	30,100	31,000	900	3.0	1,400	\$24.50	BA/BS DEGREE
13-1031	Claims Adjusters, Examiners, and Investigators	33,300	34,800	1,500	4.5	700	\$24.05	12-MO OJT
13-1032	Insurance Appraisers, Auto Damage	1,200	1,300	100	8.3	0	\$22.07	12-MO OJT
13-1041	Compliance Officers, Ex. Agriculture, Construction, Health& Safety, Transportation	21,700	22,000	300	1.4	900	\$26.02	12-MO OJT
13-1051	Cost Estimators	23,900	25,200	1,300	5.4	1,000	\$26.79	BA/BS DEGREE
13-1071	Employment, Recruitment, and Placement Specialists	17,800	19,000	1,200	6.7	500	\$23.81	BA/BS DEGREE
13-1072	Compensation, Benefits, and Job Analysis Specialists	9,200	9,600	400	4.3	200	\$26.10	BA/BS DEGREE
13-1073	Training and Development Specialists	18,700	19,500	800	4.3	500	\$24.24	BA/BS DEGREE
13-1111	Management Analysts	54,200	57,400	3,200	5.9	1,300	\$33.23	BA/BS + EXPER
13-1121	Meeting and Convention Planners	5,100	5,300	200	3.9	200	\$20.79	BA/BS DEGREE
13-1199	Business Operations Specialists, All Other	177,100	184,400	7,300	4.1	5,200	\$25.87	BA/BS DEGREE
13-2000	Financial Specialists	234,300	243,900	9,600	4.1	7,500	NA	

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
13-2011	Accountants and Auditors	107,400	111,700	4,300	4.0	3,700	\$26.32	BA/BS DEGREE
13-2021	Appraisers and Assessors of Real Estate	4,900	5,000	100	2.0	200	\$28.47	POST-SEC VOC-ED
13-2031	Budget Analysts	6,300	6,500	200	3.2	200	\$29.20	BA/BS DEGREE
13-2041	Credit Analysts	10,500	11,000	500	4.8	300	\$24.42	BA/BS DEGREE
13-2051	Financial Analysts	18,300	19,100	800	4.4	500	\$32.09	BA/BS DEGREE
13-2052	Personal Financial Advisors	12,100	13,000	900	7.4	300	\$30.44	BA/BS DEGREE
13-2053	Insurance Underwriters	9,000	9,300	300	3.3	300	\$25.68	BA/BS DEGREE
13-2061	Financial Examiners	2,300	2,400	100	4.3	100	\$31.77	BA/BS DEGREE
13-2071	Loan Counselors	3,600	3,800	200	5.6	100	\$17.44	BA/BS DEGREE
13-2072	Loan Officers	26,200	27,500	1,300	5.0	700	\$25.87	BA/BS DEGREE
13-2081	Tax Examiners, Collectors, and Revenue Agents	8,900	8,900	0	0.0	400	\$25.21	BA/BS DEGREE
13-2082	Tax Preparers	7,300	7,600	300	4.1	200	\$18.82	1-12 MO OJT
13-2099	Financial Specialists, All Other	17,500	18,100	600	3.4	600	\$25.79	BA/BS DEGREE
<b>15-29-0000</b>	<b>Professional and Related Occupations</b>	<b>2,890,200</b>	<b>2,992,400</b>	<b>102,200</b>	<b>3.5</b>	<b>99,000</b>	<b>NA</b>	
15-0000	Computer and Mathematical Science Occupations	384,100	407,500	23,400	6.1	8,600	\$34.22	
15-1000	Computer Specialists	370,300	393,300	23,000	6.2	7,900	NA	
15-1011	Computer and Information Scientists, Research	4,000	4,200	200	5.0	100	\$45.55	PHD DEGREE
15-1021	Computer Programmers	47,400	48,600	1,200	2.5	2,100	\$35.47	BA/BS DEGREE
15-1031	Computer Software Engineers, Applications	75,100	80,500	5,400	7.2	1,200	\$40.96	BA/BS DEGREE
15-1032	Computer Software Engineers, Systems Software	49,400	53,400	4,000	8.1	800	\$42.18	BA/BS DEGREE
15-1041	Computer Support Specialists	56,400	59,400	3,000	5.3	1,200	\$21.52	AA DEGREE
15-1051	Computer Systems Analysts	51,700	54,600	2,900	5.6	1,000	\$33.09	BA/BS DEGREE
15-1061	Database Administrators	13,400	14,400	1,000	7.5	200	\$31.62	BA/BS DEGREE
15-1071	Network and Computer Systems Administrators	32,700	34,800	2,100	6.4	600	\$30.56	BA/BS DEGREE
15-1081	Network Systems and Data Communications Analysts	19,700	21,800	2,100	10.7	400	\$31.74	BA/BS DEGREE
15-1099	Computer Specialists, All Other	20,400	21,600	1,200	5.9	400	\$31.71	POST-SEC VOC-ED
15-2000	Mathematical Scientists	13,800	14,200	400	2.9	700	NA	
15-2011	Actuaries	1,100	1,200	100	9.1	100	\$37.01	BA/BS + EXPER
15-2031	Operations Research Analysts	7,800	7,900	100	1.3	300	\$30.19	MA/MS DEGREE
15-2041	Statisticians	3,600	3,700	100	2.8	200	\$35.76	MA/MS DEGREE
17-0000	Architecture and Engineering Occupations	314,800	321,600	6,800	2.2	12,700	\$32.12	
17-1000	Architects, Surveyors, and Cartographers	20,700	21,000	300	1.4	700	NA	
17-1011	Architects, Except Landscape and Naval	11,100	11,400	300	2.7	200	\$31.13	BA/BS DEGREE
17-1012	Landscape Architects	3,600	3,700	100	2.8	100	\$26.00	BA/BS DEGREE
17-1022	Surveyors	5,100	5,100	0	0.0	400	\$30.71	BA/BS DEGREE
17-2000	Engineers	199,800	204,000	4,200	2.1	7,800	NA	
17-2011	Aerospace Engineers	15,600	16,000	400	2.6	800	\$39.63	BA/BS DEGREE
17-2031	Biomedical Engineers	1,600	1,700	100	6.3	100	\$35.37	BA/BS DEGREE
17-2041	Chemical Engineers	2,200	2,300	100	4.5	100	\$39.50	BA/BS DEGREE
17-2051	Civil Engineers	33,900	34,000	100	0.3	1,000	\$33.75	BA/BS DEGREE
17-2061	Computer Hardware Engineers	17,800	18,200	400	2.2	500	\$43.78	BA/BS DEGREE
17-2071	Electrical Engineers	21,800	22,100	300	1.4	800	\$37.72	BA/BS DEGREE
17-2072	Electronics Engineers, Except Computer	29,600	30,500	900	3.0	1,100	\$37.39	BA/BS DEGREE
17-2081	Environmental Engineers	4,400	4,600	200	4.5	100	\$33.86	BA/BS DEGREE
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	3,800	3,800	0	0.0	200	\$30.69	BA/BS DEGREE
17-2112	Industrial Engineers	17,300	17,900	600	3.5	800	\$34.88	BA/BS DEGREE
17-2131	Materials Engineers	2,300	2,400	100	4.3	100	\$32.19	BA/BS DEGREE
17-2141	Mechanical Engineers	20,600	20,900	300	1.5	1,100	\$35.59	BA/BS DEGREE
17-2171	Petroleum Engineers	1,100	1,100	0	0.0	100	\$44.47	BA/BS DEGREE
17-2199	Engineers, All Other	26,200	26,900	700	2.7	900	\$39.11	BA/BS DEGREE
17-3000	Drafters, Engineering, and Mapping Technicians	94,300	96,600	2,300	2.4	4,200	NA	
17-3011	Architectural and Civil Drafters	13,100	13,100	0	0.0	700	\$21.53	POST-SEC VOC-ED

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
17-3012	Electrical and Electronics Drafters	4,800	4,800	0	0.0	300	\$22.40	POST-SEC VOC-ED
17-3013	Mechanical Drafters	3,800	3,900	100	2.6	200	\$22.36	POST-SEC VOC-ED
17-3021	Aerospace Engineering and Operations Technicians	2,400	2,500	100	4.2	100	\$27.20	AA DEGREE
17-3022	Civil Engineering Technicians	9,100	9,100	0	0.0	400	\$24.53	AA DEGREE
17-3023	Electrical and Electronic Engineering Technicians	26,000	26,900	900	3.5	1,000	\$23.37	AA DEGREE
17-3024	Electro-Mechanical Technicians	3,800	3,900	100	2.6	100	\$19.73	AA DEGREE
17-3025	Environmental Engineering Technicians	1,600	1,600	0	0.0	100	\$20.88	AA DEGREE
17-3026	Industrial Engineering Technicians	5,600	5,800	200	3.6	200	\$23.12	AA DEGREE
17-3027	Mechanical Engineering Technicians	6,100	6,300	200	3.3	200	\$22.17	AA DEGREE
17-3031	Surveying and Mapping Technicians	3,500	3,600	100	2.9	300	\$22.39	1-12 MO OJT
17-3099	Drafters, Engineering, and Mapping Technicians, All Other [5]	14,500	15,000	500	3.4	700	\$22.30	AA DEGREE
19-0000	Life, Physical, and Social Science Occupations	142,700	147,300	4,600	3.2	6,500	\$25.92	
19-1000	Life Scientists	26,200	27,300	1,100	4.2	1,100	NA	
19-1010	Agricultural and Food Scientists	1,800	1,900	100	5.6	100	\$26.35	BA/BS DEGREE
19-1021	Biochemists and Biophysicists	2,700	2,900	200	7.4	200	\$32.18	PHD DEGREE
19-1022	Microbiologists	1,600	1,700	100	6.3	100	\$26.66	PHD DEGREE
19-1023	Zoologists and Wildlife Biologists	1,500	1,500	0	0.0	100	\$20.17	PHD DEGREE
19-1041	Epidemiologists	1,100	1,200	100	9.1	0	\$27.85	MA/MS DEGREE
19-1042	Medical Scientists, Except Epidemiologists	9,800	10,400	600	6.1	300	\$30.91	PHD DEGREE
19-1099	Life Scientists, All Other	5,900	6,000	100	1.7	200	\$28.21	PHD DEGREE
19-2000	Physical Scientists	29,000	29,700	700	2.4	1,400	NA	
19-2012	Physicists	1,600	1,600	0	0.0	100	\$40.95	PHD DEGREE
19-2031	Chemists	10,200	10,600	400	3.9	700	\$25.13	BA/BS DEGREE
19-2041	Environmental Scientists and Specialists, Including Health	7,600	7,700	100	1.3	200	\$29.23	BA/BS DEGREE
19-2042	Geoscientists, Except Hydrologists and Geographers	3,400	3,500	100	2.9	100	\$32.13	BA/BS DEGREE
19-2099	Physical Scientists, All Other	3,900	4,000	100	2.6	200	\$34.86	BA/BS DEGREE
19-3000	Social Scientists and Related Workers	49,900	51,600	1,700	3.4	2,400	NA	
19-3011	Economists	1,100	1,100	0	0.0	100	\$46.83	BA/BS DEGREE
19-3021	Market Research Analysts	21,600	22,600	1,000	4.6	1,100	\$28.51	BA/BS DEGREE
19-3022	Survey Researchers	3,300	3,500	200	6.1	200	\$15.75	MA/MS DEGREE
19-3031	Clinical, Counseling, and School Psychologists	12,700	13,000	300	2.4	500	\$32.57	MA/MS DEGREE
19-3051	Urban and Regional Planners	4,800	4,800	0	0.0	300	\$30.37	MA/MS DEGREE
19-3099	Social Scientists and Related Workers, All Other	4,400	4,500	100	2.3	200	\$28.76	MA/MS DEGREE
19-4000	Life, Physical, and Social Science Technicians	37,600	38,700	1,100	2.9	1,600	NA	
19-4011	Agricultural and Food Science Technicians	3,000	3,000	0	0.0	100	\$12.80	AA DEGREE
19-4021	Biological Technicians	5,800	6,000	200	3.4	200	\$16.84	AA DEGREE
19-4031	Chemical Technicians	5,100	5,200	100	2.0	200	\$17.20	AA DEGREE
19-4041	Geological and Petroleum Technicians	1,400	1,400	0	0.0	100	\$21.31	AA DEGREE
19-4091	Environmental Science and Protection Technicians, Including Health	3,000	3,100	100	3.3	100	\$19.74	AA DEGREE
19-4092	Forensic Science Technicians	1,500	1,500	0	0.0	100	\$26.58	AA DEGREE
19-4093	Forest and Conservation Technicians	5,700	5,700	0	0.0	300	\$13.13	AA DEGREE
19-4099	Life, Physical, and Social Science Technicians, All Other	11,700	12,200	500	4.3	500	\$17.34	AA DEGREE
21-0000	Community and Social Services Occupations	184,700	189,200	4,500	2.4	6,400	\$18.24	
21-1000	Counselors, Social Workers, and Other Community and Social Service Specialists	151,900	155,600	3,700	2.4	5,300	NA	
21-1011	Substance Abuse and Behavioral Disorder Counselors	8,400	8,600	200	2.4	400	\$15.02	MA/MS DEGREE
21-1012	Educational, Vocational, and School Counselors	23,200	23,300	100	0.4	1,000	\$24.87	MA/MS DEGREE
21-1013	Marriage and Family Therapists	6,000	6,200	200	3.3	300	\$15.46	MA/MS DEGREE
21-1014	Mental Health Counselors	12,900	13,200	300	2.3	500	\$18.21	MA/MS DEGREE
21-1015	Rehabilitation Counselors	9,600	9,800	200	2.1	400	\$14.20	MA/MS DEGREE
21-1021	Child, Family, and School Social Workers	25,700	26,000	300	1.2	800	\$20.39	BA/BS DEGREE
21-1022	Medical and Public Health Social Workers	9,500	9,900	400	4.2	300	\$23.78	BA/BS DEGREE
21-1023	Mental Health and Substance Abuse Social Workers	8,800	9,200	400	4.5	300	\$16.25	MA/MS DEGREE
21-1091	Health Educators	5,600	5,700	100	1.8	200	\$20.15	MA/MS DEGREE
21-1092	Probation Officers and Correctional Treatment Specialists	13,700	13,700	0	0.0	400	\$28.39	BA/BS DEGREE

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
21-1093	Social and Human Service Assistants	28,400	29,900	1,500	5.3	900	\$13.52	1-12 MO OJT
21-2000	Religious Workers	8,000	8,100	100	1.3	300	NA	
21-2011	Clergy	5,400	5,500	100	1.9	200	\$21.49	LLD/MD DEGREE
21-2021	Directors, Religious Activities and Education	2,600	2,700	100	3.8	100	\$14.39	BA/BS DEGREE
21-9000	Miscellaneous Counselors, Social, & Religious Workers	24,800	25,500	700	2.8	800	NA	
21-9099	Counselors, Social, and Religious Workers, All Other [5]	24,700	25,500	700	2.8	800	\$17.31	BA/BS DEGREE
23-0000	Legal Occupations	109,100	111,900	2,800	2.6	2,200	\$38.54	
23-1000	Lawyers, Judges, and Related Workers	61,100	62,500	1,400	2.3	1,400	NA	
23-1011	Lawyers	57,900	59,300	1,400	2.4	1,300	\$57.25	LLD/MD DEGREE
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	1,300	1,300	0	0.0	0	\$49.58	BA/BS + EXPER
23-1023	Judges, Magistrate Judges, and Magistrates	1,500	1,500	0	0.0	0	\$65.28	BA/BS + EXPER
23-2000	Legal Support Workers	39,600	40,700	1,100	2.8	600	NA	
23-2011	Paralegals and Legal Assistants	25,300	26,300	1,000	4.0	300	\$25.64	AA DEGREE
23-2091	Court Reporters	1,700	1,800	100	5.9	0	\$30.12	POST-SEC VOC-ED
23-2092	Law Clerks	4,200	4,200	0	0.0	100	\$18.05	BA/BS DEGREE
23-2093	Title Examiners, Abstractors, and Searchers	8,400	8,500	100	1.2	200	\$23.64	1-12 MO OJT
23-9000	Miscellaneous Legal & Related Workers	8,400	8,700	300	3.6	200	NA	
23-9099	Legal and Related Workers, All Other [5]	8,400	8,700	300	3.6	200	\$22.83	BA/BS DEGREE
25-0000	Education, Training, and Library Occupations	952,900	974,500	21,600	2.3	35,800	\$24.75	
25-1000	Postsecondary Teachers	156,000	162,900	6,900	4.4	6,600	NA	
25-1011	Business Teachers, Postsecondary	4,900	5,200	300	6.1	200	[4]	PHD DEGREE
25-1021	Computer Science Teachers, Postsecondary	3,300	3,500	200	6.1	100	[4]	PHD DEGREE
25-1022	Mathematical Science Teachers, Postsecondary	3,500	3,600	100	2.9	100	[4]	PHD DEGREE
25-1032	Engineering Teachers, Postsecondary	2,000	2,100	100	5.0	100	[4]	PHD DEGREE
25-1041	Agricultural Sciences Teachers, Postsecondary	1,100	1,100	0	0.0	100	[4]	PHD DEGREE
25-1042	Biological Science Teachers, Postsecondary	2,500	2,600	100	4.0	100	[4]	PHD DEGREE
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	1,100	1,100	0	0.0	100	[4]	PHD DEGREE
25-1066	Psychology Teachers, Postsecondary	2,300	2,500	200	8.7	100	[4]	PHD DEGREE
25-1071	Health Specialties Teachers, Postsecondary	5,200	5,400	200	3.8	200	[4]	PHD DEGREE
25-1072	Nursing Instructors and Teachers, Postsecondary	2,000	2,100	100	5.0	100	[4]	MA/MS DEGREE
25-1081	Education Teachers, Postsecondary	2,600	2,700	100	3.8	100	[4]	PHD DEGREE
25-1112	Law Teachers, Postsecondary	1,600	1,700	100	6.3	100	[4]	LLD/MD DEGREE
25-1121	Art, Drama, and Music Teachers, Postsecondary	6,100	6,400	300	4.9	300	[4]	MA/MS DEGREE
25-1122	Communications Teachers, Postsecondary	2,800	2,900	100	3.6	100	[4]	PHD DEGREE
25-1123	English Language and Literature Teachers, Postsecondary	5,300	5,600	300	5.7	200	[4]	PHD DEGREE
25-1124	Foreign Language and Literature Teachers, Postsecondary	1,700	1,800	100	5.9	100	[4]	PHD DEGREE
25-1125	History Teachers, Postsecondary	1,100	1,200	100	9.1	100	[4]	PHD DEGREE
25-1126	Philosophy and Religion Teachers, Postsecondary	1,400	1,500	100	7.1	100	[4]	PHD DEGREE
25-1191	Graduate Teaching Assistants	27,100	28,200	1,100	4.1	1,200	[4]	BA/BS DEGREE
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	1,600	1,700	100	6.3	100	[4]	MA/MS DEGREE
25-1194	Vocational Education Teachers, Postsecondary	17,700	18,500	800	4.5	800	\$24.03	WORK EXPER
25-1199	Postsecondary Teachers, All Other	49,900	52,000	2,100	4.2	2,100	[4]	PHD DEGREE
25-2000	Primary, Secondary, and Special Education School Teachers	448,800	453,500	4,700	1.0	18,200	NA	
25-2011	Preschool Teachers, Except Special Education	47,200	48,200	1,000	2.1	900	\$11.00	BA/BS DEGREE
25-2012	Kindergarten Teachers, Except Special Education	15,800	16,200	400	2.5	300	[4]	BA/BS DEGREE
25-2021	Elementary School Teachers, Except Special Education	174,400	175,500	1,100	0.6	6,800	[4]	BA/BS DEGREE
25-2022	Middle School Teachers, Except Special and Vocational Education	53,000	52,800	-200	-0.4	2,100	[4]	BA/BS DEGREE
25-2031	Secondary School Teachers, Except Special and Vocational Education	119,800	121,100	1,300	1.1	6,300	[4]	BA/BS DEGREE
25-2032	Vocational Education Teachers, Secondary School	6,600	6,600	0	0.0	300	[4]	BA/BS DEGREE
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	15,900	16,400	500	3.1	700	[4]	BA/BS DEGREE
25-2042	Special Education Teachers, Middle School	5,700	5,900	200	3.5	200	[4]	BA/BS DEGREE
25-2043	Special Education Teachers, Secondary School	10,000	10,300	300	3.0	400	[4]	BA/BS DEGREE
25-3000	Other Teachers and Instructors	116,300	122,300	6,000	5.2	2,500	[4]	
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	11,700	11,900	200	1.7	300	\$32.91	BA/BS DEGREE

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
25-3021	Self-Enrichment Education Teachers	24,600	26,200	1,600	6.5	500	\$15.45	WORK EXPER
25-3999	Teachers, Primary, Secondary, and Adult, All Other [5]	80,000	84,000	4,000	5.0	1,700	[4]	BA/BS DEGREE
25-4000	Librarians, Curators, and Archivists	26,500	26,700	200	0.8	1,600	NA	
25-4010	Archivists, Curators, and Museum Technicians	2,200	2,300	100	4.5	100	\$21.36	MA/MS DEGREE
25-4021	Librarians	11,800	11,800	0	0.0	500	\$26.12	MA/MS DEGREE
25-4031	Library Technicians	12,500	12,600	100	0.8	1,000	\$15.52	30-DAY OJT
25-9000	Other Education, Training, and Library Occupations	205,300	209,100	3,800	1.9	6,900	NA	
25-9011	Audio-Visual Collections Specialists	1,500	1,500	0	0.0	0	\$12.95	1-12 MO OJT
25-9031	Instructional Coordinators	9,800	10,100	300	3.1	300	\$27.24	MA/MS DEGREE
25-9041	Teacher Assistants	178,400	181,500	3,100	1.7	6,200	[4]	30-DAY OJT
25-9199	Library, Museum, Training, and Other Education Workers, All Other [5]	15,500	15,900	400	2.6	400	\$14.09	BA/BS DEGREE
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	221,200	230,500	9,300	4.2	7,700	\$21.32	
27-1000	Art and Design Workers	60,300	62,700	2,400	4.0	1,500	NA	
27-1011	Art Directors	2,700	2,800	100	3.7	100	\$33.31	BA/BS + EXPER
27-1014	Multi-Media Artists and Animators	7,500	8,000	500	6.7	300	\$31.75	BA/BS DEGREE
27-1021	Commercial and Industrial Designers	2,800	2,900	100	3.6	100	\$28.54	BA/BS DEGREE
27-1022	Fashion Designers	2,200	2,300	100	4.5	100	\$26.31	BA/BS DEGREE
27-1023	Floral Designers	5,200	5,200	0	0.0	100	\$11.07	1-12 MO OJT
27-1024	Graphic Designers	20,800	21,500	700	3.4	500	\$20.61	BA/BS DEGREE
27-1025	Interior Designers	5,200	5,500	300	5.8	100	\$23.35	BA/BS DEGREE
27-1026	Merchandise Displayers and Window Trimmers	8,500	9,100	600	7.1	200	\$11.29	1-12 MO OJT
27-1027	Set and Exhibit Designers	1,000	1,100	100	10.0	0	\$22.64	BA/BS DEGREE
27-1099	Art and Design Workers, All Other [5]	3,400	3,500	100	2.9	100	\$16.78	BA/BS DEGREE
27-2000	Entertainers and Performers, Sports and Related Workers	65,900	68,800	2,900	4.4	2,500	NA	
27-2011	Actors	39,700	41,600	1,900	4.8	900	[4]	12-MO OJT
27-2012	Producers and Directors	11,300	12,000	700	6.2	300	[4]	BA/BS + EXPER
27-2022	Coaches and Scouts	12,700	13,200	500	3.9	500	[4]	12-MO OJT
27-2031	Dancers	2,600	2,700	100	3.8	400	\$8.64	12-MO OJT
27-2032	Choreographers	2,100	2,100	0	0.0	300	\$19.31	WORK EXPER
27-2041	Music Directors and Composers	2,300	2,400	100	4.3	100	[4]	BA/BS + EXPER
27-2042	Musicians and Singers	10,700	11,000	300	2.8	400	[4]	12-MO OJT
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	9,800	10,200	400	4.1	200	[4]	12-MO OJT
27-3000	Media and Communication Workers	63,500	65,700	2,200	3.5	2,300	NA	
27-3010	Announcers	4,500	4,500	0	0.0	200	\$13.18	12-MO OJT
27-3020	News Analysts, Reporters and Correspondents	5,000	5,100	100	2.0	200	\$20.51	BA/BS + EXPER
27-3031	Public Relations Specialists	20,100	21,200	1,100	5.5	500	\$24.15	BA/BS DEGREE
27-3041	Editors	12,100	12,200	100	0.8	500	\$21.22	BA/BS DEGREE
27-3042	Technical Writers	7,000	7,300	300	4.3	400	\$30.09	BA/BS DEGREE
27-3043	Writers and Authors	6,800	7,100	300	4.4	200	\$25.32	BA/BS DEGREE
27-3091	Interpreters and Translators	3,000	3,000	0	0.0	100	\$17.25	12-MO OJT
27-3099	Media and Communication Workers, All Other	5,100	5,300	200	3.9	100	\$17.91	12-MO OJT
27-4000	Media and Communication Equipment Workers	31,500	33,300	1,800	5.7	1,400	NA	
27-4011	Audio and Video Equipment Technicians	6,200	6,600	400	6.5	300	\$19.65	12-MO OJT
27-4012	Broadcast Technicians	5,000	5,300	300	6.0	200	\$17.65	POST-SEC VOC-ED
27-4014	Sound Engineering Technicians	2,900	3,100	200	6.9	100	\$22.69	POST-SEC VOC-ED
27-4021	Photographers	6,600	6,800	200	3.0	200	\$11.78	12-MO OJT
27-4031	Camera Operators, Television, Video, and Motion Picture	4,300	4,500	200	4.7	200	\$26.80	1-12 MO OJT
27-4032	Film and Video Editors	3,900	4,200	300	7.7	100	\$24.93	BA/BS DEGREE
29-0000	Healthcare Practitioner and Technical Occupations	554,900	583,300	28,400	5.1	18,300	\$26.95	
29-1000	Health Diagnosing and Treating Practitioners	346,900	364,900	18,000	5.2	11,900	NA	
29-1011	Chiropractors	2,100	2,300	200	9.5	100	\$25.91	LLD/MD DEGREE
29-1020	Dentists	10,900	11,200	300	2.8	300	\$60.50	LLD/MD DEGREE
29-1031	Dietitians and Nutritionists	4,300	4,400	100	2.3	200	\$25.31	BA/BS DEGREE
29-1041	Optometrists	1,900	2,000	100	5.3	100	\$42.78	LLD/MD DEGREE



California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
29-1051	Pharmacists	21,400	22,700	1,300	6.1	800	\$45.16	LLD/MD DEGREE
29-1061	Anesthesiologists	2,400	2,600	200	8.3	100	>\$70.01	LLD/MD DEGREE
29-1062	Family and General Practitioners	9,200	9,600	400	4.3	200	\$52.01	LLD/MD DEGREE
29-1063	Internists, General	4,900	5,200	300	6.1	100	>\$70.01	LLD/MD DEGREE
29-1064	Obstetricians and Gynecologists	1,400	1,400	0	0.0	0	>\$70.01	LLD/MD DEGREE
29-1065	Pediatricians, General	2,600	2,800	200	7.7	100	>\$70.01	LLD/MD DEGREE
29-1066	Psychiatrists	2,200	2,300	100	4.5	100	\$68.78	LLD/MD DEGREE
29-1067	Surgeons	4,200	4,400	200	4.8	100	>\$70.01	LLD/MD DEGREE
29-1069	Physicians and Surgeons, All Other	20,700	21,800	1,100	5.3	500	\$56.15	LLD/MD DEGREE
29-1071	Physician Assistants	4,500	5,000	500	11.1	100	\$37.52	BA/BS DEGREE
29-1111	Registered Nurses	208,100	218,900	10,800	5.2	7,700	\$30.24	AA DEGREE
29-1121	Audiologist	1,100	1,200	100	9.1	100	\$28.08	BA/BS DEGREE
29-1122	Occupational Therapists	6,300	6,700	400	6.3	200	\$30.36	BA/BS DEGREE
29-1123	Physical Therapists	11,700	12,500	800	6.8	200	\$32.65	MA/MS DEGREE
29-1125	Recreational Therapists	1,200	1,100	-100	-8.3	100	\$19.40	BA/BS DEGREE
29-1126	Respiratory Therapists	9,800	10,500	700	7.1	600	\$23.31	AA DEGREE
29-1127	Speech-Language Pathologists	6,500	6,700	200	3.1	300	\$30.72	MA/MS DEGREE
29-1131	Veterinarians	3,900	4,000	100	2.6	200	\$38.00	LLD/MD DEGREE
29-1199	Health Diagnosing and Treating Practitioners, All Other	4,100	4,300	200	4.9	200	\$25.87	LLD/MD DEGREE
29-2000	Health Technologists and Technicians	203,600	213,800	10,200	5.0	6,200	NA	
29-2011	Medical and Clinical Laboratory Technologists	12,000	12,500	500	4.2	600	\$28.46	BA/BS DEGREE
29-2012	Medical and Clinical Laboratory Technicians	12,900	13,400	500	3.9	700	\$15.90	AA DEGREE
29-2021	Dental Hygienists	17,400	18,800	1,400	8.0	200	\$40.86	AA DEGREE
29-2031	Cardiovascular Technologists and Technicians	3,300	3,600	300	9.1	100	\$20.41	AA DEGREE
29-2032	Diagnostic Medical Sonographers	2,900	3,000	100	3.4	100	\$27.35	AA DEGREE
29-2033	Nuclear Medicine Technologists	1,400	1,400	0	0.0	100	\$28.06	AA DEGREE
29-2034	Radiologic Technologists and Technicians	14,700	15,400	700	4.8	500	\$23.13	AA DEGREE
29-2041	Emergency Medical Technicians and Paramedics	14,400	15,300	900	6.3	300	\$12.16	POST-SEC VOC-ED
29-2051	Dietetic Technicians	2,600	2,600	0	0.0	100	\$12.79	1-12 MO OJT
29-2052	Pharmacy Technicians	19,200	20,400	1,200	6.3	400	\$15.50	1-12 MO OJT
29-2054	Respiratory Therapy Technicians	1,600	1,700	100	6.3	0	\$20.41	POST-SEC VOC-ED
29-2055	Surgical Technologists	9,000	9,500	500	5.6	200	\$17.81	POST-SEC VOC-ED
29-2056	Veterinary Technologists and Technicians	6,600	7,000	400	6.1	200	\$12.96	AA DEGREE
29-2061	Licensed Practical and Licensed Vocational Nurses	54,400	56,300	1,900	3.5	2,200	\$18.79	POST-SEC VOC-ED
29-2071	Medical Records and Health Information Technicians	15,200	16,400	1,200	7.9	400	\$13.45	AA DEGREE
29-2081	Opticians, Dispensing	5,400	5,700	300	5.6	200	\$14.56	12-MO OJT
29-9000	Other Healthcare Practitioners and Technical Occupations	4,400	4,600	200	4.5	200	NA	
29-9010	Occupational Health & Safety Specialists & Techs	3,500	3,500	0	0.0	100	\$26.39	BA/BS DEGREE
29-9199	Health Professionals and Technicians, All Other [5]	25,700	26,700	1,000	3.9	900	\$15.20	AA DEGREE
<b>31-39-0000</b>	<b>Service Occupations</b>	<b>2,608,500</b>	<b>2,738,900</b>	<b>130,400</b>	<b>5.0</b>	<b>187,500</b>	<b>NA</b>	
31-0000	Healthcare Support Occupations	311,100	329,900	18,800	6.0	10,200	\$11.65	
31-1000	Nursing, Psychiatric, and Home Health Aides	142,900	148,700	5,800	4.1	3,400	NA	
31-1011	Home Health Aides	39,400	42,100	2,700	6.9	900	\$9.03	30-DAY OJT
31-1012	Nursing Aides, Orderlies, and Attendants	101,700	104,800	3,100	3.0	2,400	\$10.58	30-DAY OJT
31-1013	Psychiatric Aides	1,800	1,800	0	0.0	0	\$11.38	30-DAY OJT
31-2000	Occupational and Physical Therapist Assistants and Aides	10,300	11,200	900	8.7	300	NA	
31-2011	Occupational Therapist Assistants	1,400	1,500	100	7.1	0	\$21.05	AA DEGREE
31-2021	Physical Therapist Assistants	4,100	4,400	300	7.3	100	\$21.30	AA DEGREE
31-2022	Physical Therapist Aides	4,400	4,800	400	9.1	100	\$10.80	30-DAY OJT
31-9000	Other Healthcare Support Occupations	157,900	170,000	12,100	7.7	6,500	NA	
31-9011	Massage Therapists	6,000	6,200	200	3.3	300	\$11.14	POST-SEC VOC-ED
31-9091	Dental Assistants	44,800	48,300	3,500	7.8	2,400	\$16.00	1-12 MO OJT

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

<b>Occupational Code</b>	<b>Occupational Title</b>	<b>2003</b>	<b>2005</b>	<b>Growth Numerical</b>	<b>Growth Percent</b>	<b>Separations</b>	<b>Median Hourly Wage</b>	<b>Education &amp; Training Level</b>
31-9092	Medical Assistants	50,700	56,100	5,400	10.7	1,800	\$12.81	1-12 MO OJT
31-9093	Medical Equipment Preparers	3,000	3,200	200	6.7	100	\$13.50	30-DAY OJT
31-9094	Medical Transcriptionists	8,300	8,700	400	4.8	300	\$16.23	POST-SEC VOC-ED
31-9095	Pharmacy Aides	8,400	8,700	300	3.6	300	\$11.20	30-DAY OJT
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	6,300	6,500	200	3.2	200	\$9.21	30-DAY OJT
31-9099	Healthcare Support Workers, All Other	30,400	32,200	1,800	5.9	1,100	\$13.05	30-DAY OJT
33-0000	Protective Services Occupations	363,500	379,100	15,600	4.3	23,600	\$17.53	
33-1000	First-Line Supervisors/Managers, Protective Service Workers	25,500	25,800	300	1.2	1,600	NA	
33-1011	First-Line Supervisors/Managers of Correctional Officers	4,800	4,800	0	0.0	300	\$31.89	WORK EXPER
33-1012	First-Line Supervisors/Managers of Police and Detectives	6,800	6,800	0	0.0	400	\$42.24	WORK EXPER
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	8,100	8,100	0	0.0	600	\$36.45	WORK EXPER
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	5,800	6,100	300	5.2	300	\$19.61	WORK EXPER
33-2000	Fire Fighting and Prevention Workers	28,400	28,400	0	0.0	1,500	NA	
33-2011	Fire Fighters	27,100	27,000	-100	-0.4	1,400	\$26.26	12-MO OJT
33-2021	Fire Inspectors and Investigators	1,100	1,100	0	0.0	100	\$30.67	WORK EXPER
33-3000	Law Enforcement Workers	124,600	124,800	200	0.2	5,700	NA	
33-3012	Correctional Officers and Jailers	35,900	36,200	300	0.8	1,400	\$23.84	1-12 MO OJT
33-3021	Detectives and Criminal Investigators	9,200	9,200	0	0.0	500	\$34.50	WORK EXPER
33-3041	Parking Enforcement Workers	1,800	1,800	0	0.0	100	\$19.22	30-DAY OJT
33-3051	Police and Sheriff's Patrol Officers	76,000	75,800	-200	-0.3	3,700	\$30.14	12-MO OJT
33-3052	Transit and Railroad Police	1,100	1,200	100	9.1	0	\$20.17	12-MO OJT
33-9000	Other Protective Service Workers	185,000	200,100	15,100	8.2	14,800	NA	
33-9011	Animal Control Workers	1,600	1,600	0	0.0	400	\$17.03	1-12 MO OJT
33-9021	Private Detectives and Investigators	3,600	3,900	300	8.3	100	\$15.88	WORK EXPER
33-9032	Security Guards	138,900	153,000	14,100	10.2	6,400	\$9.66	30-DAY OJT
33-9091	Crossing Guards	5,700	5,900	200	3.5	400	\$8.69	30-DAY OJT
33-9099	Protective Service Workers, All Other	34,700	35,200	500	1.4	7,500	\$12.18	30-DAY OJT
35-0000	Food Preparation and Serving Related Occupations	1,145,600	1,200,700	55,100	4.8	117,500	\$8.13	
35-1000	Supervisors, Food Preparation and Serving Workers	86,000	90,100	4,100	4.8	4,700	NA	
35-1011	Chefs and Head Cooks	11,300	11,800	500	4.4	800	\$17.02	POST-SEC VOC-ED
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	74,700	78,300	3,600	4.8	3,800	\$12.75	WORK EXPER
35-2000	Cooks and Food Preparation Workers	302,900	315,300	12,400	4.1	25,100	NA	
35-2011	Cooks, Fast Food	59,700	61,700	2,000	3.4	4,700	\$7.88	30-DAY OJT
35-2012	Cooks, Institution and Cafeteria	25,300	25,200	-100	-0.4	2,000	\$11.08	12-MO OJT
35-2014	Cooks, Restaurant	98,500	103,600	5,100	5.2	7,800	\$9.82	12-MO OJT
35-2015	Cooks, Short Order	27,000	28,000	1,000	3.7	2,100	\$8.31	30-DAY OJT
35-2021	Food Preparation Workers	92,400	96,800	4,400	4.8	8,400	\$8.60	30-DAY OJT
35-3000	Food and Beverage Serving Workers	588,700	620,100	31,400	5.3	72,900	NA	
35-3011	Bartenders	46,900	48,600	1,700	3.6	3,600	\$8.03	30-DAY OJT
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	217,800	231,600	13,800	6.3	23,700	\$7.79	30-DAY OJT
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	88,200	92,200	4,000	4.5	18,500	\$8.26	30-DAY OJT
35-3031	Waiters and Waitresses	218,000	229,700	11,700	5.4	25,500	\$7.44	30-DAY OJT
35-3041	Food Servers, Nonrestaurant	17,700	18,000	300	1.7	1,500	\$8.48	30-DAY OJT
35-9000	Other Food Preparation and Serving Related Workers	168,000	175,200	7,200	4.3	14,800	NA	
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	66,300	69,300	3,000	4.5	6,000	\$7.41	30-DAY OJT
35-9021	Dishwashers	60,700	62,900	2,200	3.6	5,800	\$7.64	30-DAY OJT
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	35,500	37,400	1,900	5.4	2,700	\$7.88	30-DAY OJT
35-9099	Food Preparation and Serving Related Workers, All Other	5,400	5,600	200	3.7	400	\$8.09	30-DAY OJT
37-0000	Building and Grounds Cleaning and Maintenance Occupations	480,000	508,400	28,400	5.9	18,900	\$9.66	
37-1000	Supervisors, Building and Grounds Cleaning and Maintenance Workers	30,700	32,300	1,600	5.2	1,000	NA	
37-1011	First-Line Supervisors/Managers of Housekeeping & Janitorial Workers	18,900	19,600	700	3.7	800	\$16.59	WORK EXPER
37-1012	First-Line Sups/Mgrs of Landscaping, Lawn Service, and Groundskeeping Workers	11,900	12,700	800	6.7	200	\$18.25	WORK EXPER
37-2000	Building Cleaning and Pest Control Workers	316,200	332,700	16,500	5.2	12,100	NA	
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	216,800	228,600	11,800	5.4	8,200	\$9.47	30-DAY OJT

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

<b>Occupational Code</b>	<b>Occupational Title</b>	<b>2003</b>	<b>2005</b>	<b>Growth Numerical</b>	<b>Growth Percent</b>	<b>Separations</b>	<b>Median Hourly Wage</b>	<b>Education &amp; Training Level</b>
37-2012	Maids and Housekeeping Cleaners	90,200	94,000	3,800	4.2	3,700	\$8.49	30-DAY OJT
37-2021	Pest Control Workers	9,200	10,100	900	9.8	200	\$12.87	1-12 MO OJT
37-3000	Grounds Maintenance Workers	133,100	143,400	10,300	7.7	5,800	NA	
37-3011	Landscaping and Groundskeeping Workers	118,800	128,100	9,300	7.8	5,200	\$10.02	30-DAY OJT
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	1,200	1,300	100	8.3	100	\$12.15	1-12 MO OJT
37-3013	Tree Trimmers and Pruners	6,800	7,400	600	8.8	300	\$12.55	30-DAY OJT
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other [5]	6,200	6,500	300	4.8	300	\$10.56	30-DAY OJT
39-0000	Personal Care and Service Occupations	308,400	321,000	12,600	4.1	17,300	\$9.19	
39-1000	Supervisors, Personal Care and Service Workers	15,500	16,000	500	3.2	700	NA	
39-1011	Gaming Supervisors	1,700	1,700	0	0.0	100	\$18.10	POST-SEC VOC-ED
39-1012	Slot Key Persons	1,400	1,400	0	0.0	100	\$10.38	POST-SEC VOC-ED
39-1021	First-Line Supervisors/Managers of Personal Service Workers	12,400	12,900	500	4.0	600	\$15.97	WORK EXPER
39-2000	Animal Care and Service Workers	9,500	9,800	300	3.2	400	NA	
39-2021	Nonfarm Animal Caretakers	8,600	8,900	300	3.5	400	\$9.10	30-DAY OJT
39-3000	Entertainment Attendants and Related Workers	73,200	76,800	3,600	4.9	7,000	NA	
39-3011	Gaming Dealers	6,900	7,200	300	4.3	600	\$7.88	POST-SEC VOC-ED
39-3012	Gaming and Sports Book Writers and Runners	1,000	1,000	0	0.0	100	\$8.96	POST-SEC VOC-ED
39-3021	Motion Picture Projectionists	2,200	2,200	0	0.0	200	\$12.09	30-DAY OJT
39-3031	Ushers, Lobby Attendants, and Ticket Takers	15,600	16,400	800	5.1	2,700	\$7.82	30-DAY OJT
39-3091	Amusement and Recreation Attendants	40,300	42,500	2,200	5.5	2,900	\$7.62	30-DAY OJT
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	2,000	2,100	100	5.0	100	\$8.74	30-DAY OJT
39-3199	Gaming Workers, All Other [5]	4,900	5,200	300	6.1	400	\$9.80	1-12 MO OJT
39-4000	Funeral Service Workers	2,000	2,000	0	0.0	100	NA	
39-4021	Funeral Attendants	1,500	1,500	0	0.0	100	\$10.69	30-DAY OJT
39-5000	Personal Appearance Workers	32,100	33,000	900	2.8	1,200	NA	
39-5012	Hairdressers, Hairstylists, and Cosmetologists	23,300	23,900	600	2.6	800	\$9.04	POST-SEC VOC-ED
39-5092	Manicurists and Pedicurists	4,700	4,800	100	2.1	200	\$8.13	POST-SEC VOC-ED
39-5094	Skin Care Specialists	2,300	2,400	100	4.3	100	\$12.51	POST-SEC VOC-ED
39-6000	Transportation, Tourism, and Lodging Attendants	26,900	28,000	1,100	4.1	1,100	NA	
39-6011	Baggage Porters and Bellhops	6,900	7,100	200	2.9	400	\$8.91	30-DAY OJT
39-6012	Concierges	2,100	2,200	100	4.8	100	\$11.31	WORK EXPER
39-6021	Tour Guides and Escorts	2,100	2,200	100	4.8	100	\$10.02	1-12 MO OJT
39-6022	Travel Guides	1,100	1,100	0	0.0	100	\$12.41	1-12 MO OJT
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	2,500	2,600	100	4.0	100	\$10.27	30-DAY OJT
39-9000	Other Personal Care and Service Workers	149,200	155,400	6,200	4.2	6,800	NA	
39-9011	Child Care Workers	42,400	43,800	1,400	3.3	2,500	\$9.27	30-DAY OJT
39-9021	Personal and Home Care Aides	32,600	34,300	1,700	5.2	1,000	\$8.63	30-DAY OJT
39-9031	Fitness Trainers and Aerobics Instructors	25,000	27,400	2,400	9.6	1,100	\$14.75	POST-SEC VOC-ED
39-9032	Recreation Workers	42,000	42,500	500	1.2	1,900	\$9.77	BA/BS DEGREE
39-9099	Personal Care and Service Workers, All Other	6,300	6,500	200	3.2	300	\$12.99	30-DAY OJT
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>1,529,400</b>	<b>1,593,700</b>	<b>64,300</b>	<b>4.2</b>	<b>117,100</b>	<b>\$11.76</b>	
41-1000	Supervisors, Sales Workers	155,900	162,900	7,000	4.5	5,200	NA	
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	120,200	125,500	5,300	4.4	3,900	\$16.97	WORK EXPER
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	35,700	37,400	1,700	4.8	1,200	\$28.08	WORK EXPER
41-2000	Retail Sales Workers	907,900	946,000	38,100	4.2	91,600	NA	
41-2011	Cashiers	370,000	384,100	14,100	3.8	47,900	\$8.59	30-DAY OJT
41-2012	Gaming Change Persons and Booth Cashiers	2,000	2,000	0	0.0	300	\$10.16	30-DAY OJT
41-2021	Counter and Rental Clerks	59,900	62,600	2,700	4.5	5,600	\$9.19	30-DAY OJT
41-2022	Parts Salespersons	20,600	20,900	300	1.5	1,300	\$13.57	1-12 MO OJT
41-2031	Retail Salespersons	455,300	476,400	21,100	4.6	36,700	\$9.45	30-DAY OJT
41-3000	Sales Representatives, Services	86,400	89,400	3,000	3.5	3,000	NA	
41-3011	Advertising Sales Agents	16,900	17,300	400	2.4	600	\$23.61	1-12 MO OJT

California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
41-3021	Insurance Sales Agents	27,800	29,000	1,200	4.3	1,300	\$22.78	BA/BS DEGREE
41-3031	Securities, Commodities, and Financial Services Sales Agents	27,000	27,900	900	3.3	500	\$31.41	BA/BS DEGREE
41-3041	Travel Agents	14,600	15,100	500	3.4	600	\$16.04	POST-SEC VOC-ED
41-4000	Sales Representatives, Wholesale and Manufacturing	211,300	219,900	8,600	4.1	10,900	NA	
41-4011	Sales Reps, Wholesale and Manufacturing, Technical and Scientific Products	45,500	47,200	1,700	3.7	2,400	\$32.18	1-12 MO OJT
41-4012	Sales Reps, Wholesale and Manufacturing, Except Technical and Scientific Products	165,700	172,700	7,000	4.2	8,600	\$22.49	1-12 MO OJT
41-9000	Other Sales and Related Workers	168,100	175,500	7,400	4.4	6,300	NA	
41-9011	Demonstrators and Product Promoters	18,000	19,200	1,200	6.7	800	\$9.16	1-12 MO OJT
41-9021	Real Estate Brokers	2,800	3,000	200	7.1	100	\$40.59	WORK EXPER
41-9022	Real Estate Sales Agents	8,900	9,300	400	4.5	300	\$25.25	POST-SEC VOC-ED
41-9031	Sales Engineers	11,200	11,700	500	4.5	700	\$39.85	BA/BS DEGREE
41-9041	Telemarketers	39,500	39,700	200	0.5	1,200	\$10.57	30-DAY OJT
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	2,700	2,700	0	0.0	100	\$10.09	30-DAY OJT
41-9099	Sales and Related Workers, All Other	84,700	89,600	4,900	5.8	3,100	\$20.20	1-12 MO OJT
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>2,726,000</b>	<b>2,784,800</b>	<b>58,800</b>	<b>2.2</b>	<b>127,300</b>	<b>\$14.22</b>	
43-1000	Supervisors, Office and Administrative Support Workers	172,700	176,100	3,400	2.0	6,700	NA	
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	172,700	176,100	3,400	2.0	6,700	\$21.55	WORK EXPER
43-2000	Communications Equipment Operators	31,600	31,200	-400	-1.3	1,600	NA	
43-2011	Switchboard Operators, Including Answering Service	23,500	23,900	400	1.7	1,200	\$11.27	30-DAY OJT
43-2021	Telephone Operators	7,500	6,700	-800	-10.7	400	\$14.83	30-DAY OJT
43-3000	Financial Clerks	410,200	420,500	10,300	2.5	20,100	NA	
43-3011	Bill and Account Collectors	47,200	49,800	2,600	5.5	1,700	\$14.74	30-DAY OJT
43-3021	Billing and Posting Clerks and Machine Operators	57,000	58,100	1,100	1.9	1,800	\$13.65	30-DAY OJT
43-3031	Bookkeeping, Accounting, and Auditing Clerks	207,600	211,100	3,500	1.7	7,300	\$15.73	1-12 MO OJT
43-3041	Gaming Cage Workers	1,600	1,700	100	6.3	200	\$10.51	30-DAY OJT
43-3051	Payroll and Timekeeping Clerks	24,100	24,700	600	2.5	1,200	\$16.60	30-DAY OJT
43-3061	Procurement Clerks	5,900	5,900	0	0.0	300	\$16.45	30-DAY OJT
43-3071	Tellers	66,800	69,200	2,400	3.6	7,600	\$10.54	30-DAY OJT
43-4000	Information and Record Clerks	593,100	615,000	21,900	3.7	25,800	NA	
43-4011	Brokerage Clerks	5,800	5,700	-100	-1.7	100	\$17.42	1-12 MO OJT
43-4021	Correspondence Clerks	1,900	1,900	0	0.0	100	\$15.19	30-DAY OJT
43-4031	Court, Municipal, and License Clerks	3,700	3,700	0	0.0	200	\$17.63	30-DAY OJT
43-4041	Credit Authorizers, Checkers, and Clerks	9,200	9,200	0	0.0	300	\$14.97	30-DAY OJT
43-4051	Customer Service Representatives	198,500	209,100	10,600	5.3	5,700	\$14.43	1-12 MO OJT
43-4061	Eligibility Interviewers, Government Programs	17,300	17,200	-100	-0.6	800	\$18.27	1-12 MO OJT
43-4071	File Clerks	33,000	33,500	500	1.5	2,000	\$10.55	30-DAY OJT
43-4081	Hotel, Motel, and Resort Desk Clerks	18,900	19,800	900	4.8	1,900	\$9.50	30-DAY OJT
43-4111	Interviewers, Except Eligibility and Loan	20,000	20,900	900	4.5	1,000	\$12.79	30-DAY OJT
43-4121	Library Assistants, Clerical	12,000	12,100	100	0.8	1,100	\$13.25	30-DAY OJT
43-4131	Loan Interviewers and Clerks	21,200	21,000	-200	-0.9	500	\$15.89	30-DAY OJT
43-4141	New Accounts Clerks	16,200	16,800	600	3.7	800	\$14.22	WORK EXPER
43-4151	Order Clerks	46,600	46,000	-600	-1.3	2,100	\$13.09	30-DAY OJT
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	20,700	21,400	700	3.4	900	\$17.83	30-DAY OJT
43-4171	Receptionists and Information Clerks	128,700	136,200	7,500	5.8	6,600	\$11.13	30-DAY OJT
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	15,200	15,900	700	4.6	800	\$12.29	30-DAY OJT
43-4999	Financial, Information, and Record Clerks, All Other [5]	24,100	24,600	500	2.1	700	\$15.78	30-DAY OJT
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	462,600	469,300	6,700	1.4	30,600	NA	
43-5011	Cargo and Freight Agents	10,500	10,700	200	1.9	500	\$17.63	1-12 MO OJT
43-5021	Couriers and Messengers	21,000	21,300	300	1.4	1,000	\$9.05	30-DAY OJT
43-5031	Police, Fire, and Ambulance Dispatchers	6,300	6,300	0	0.0	300	\$20.77	1-12 MO OJT
43-5032	Dispatchers, Except Police, Fire, and Ambulance	19,300	19,900	600	3.1	800	\$15.63	1-12 MO OJT

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
43-5041	Meter Readers, Utilities	4,800	4,800	0	0.0	300	\$19.95	30-DAY OJT
43-5051	Postal Service Clerks	8,300	8,300	0	0.0	400	\$19.50	30-DAY OJT
43-5052	Postal Service Mail Carriers	37,600	37,500	-100	-0.3	2,200	\$19.62	30-DAY OJT
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	24,100	24,100	0	0.0	1,200	\$19.24	30-DAY OJT
43-5061	Production, Planning, and Expediting Clerks	35,900	37,300	1,400	3.9	1,600	\$18.35	30-DAY OJT
43-5071	Shipping, Receiving, and Traffic Clerks	108,400	110,100	1,700	1.6	4,300	\$11.48	30-DAY OJT
43-5081	Stock Clerks and Order Fillers	171,600	173,600	2,000	1.2	17,100	\$10.35	30-DAY OJT
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	10,700	11,400	700	6.5	600	\$12.19	30-DAY OJT
43-5199	Material Recording, Scheduling, Dispatching, and Distributing Workers, All Other [5]	4,200	4,200	0	0.0	400	\$14.75	30-DAY OJT
43-6000	Secretaries and Administrative Assistants	433,800	440,800	7,000	1.6	15,100	NA	
43-6011	Executive Secretaries and Administrative Assistants	204,000	208,300	4,300	2.1	7,100	\$19.12	1-12 MO OJT
43-6012	Legal Secretaries	38,100	38,900	800	2.1	1,300	\$20.27	POST-SEC VOC-ED
43-6013	Medical Secretaries	37,000	38,500	1,500	4.1	1,300	\$15.72	POST-SEC VOC-ED
43-6014	Secretaries, Except Legal, Medical, and Executive	154,800	155,100	300	0.2	5,400	\$14.83	1-12 MO OJT
43-9000	Other Office and Administrative Support Workers	622,000	631,900	9,900	1.6	27,300	NA	
43-9011	Computer Operators	19,600	19,200	-400	-2.0	800	\$16.68	1-12 MO OJT
43-9021	Data Entry Keyers	40,400	40,800	400	1.0	1,900	\$12.21	1-12 MO OJT
43-9022	Word Processors and Typists	25,300	24,400	-900	-3.6	1,100	\$15.36	1-12 MO OJT
43-9031	Desktop Publishers	2,900	3,000	100	3.4	100	\$17.97	POST-SEC VOC-ED
43-9041	Insurance Claims and Policy Processing Clerks	27,600	28,300	700	2.5	800	\$15.30	1-12 MO OJT
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	14,800	14,900	100	0.7	900	\$11.18	30-DAY OJT
43-9061	Office Clerks, General	405,800	414,500	8,700	2.1	18,000	\$12.17	30-DAY OJT
43-9071	Office Machine Operators, Except Computer	9,700	9,800	100	1.0	500	\$12.11	30-DAY OJT
43-9081	Proofreaders and Copy Markers	3,300	3,300	0	0.0	200	\$10.96	30-DAY OJT
43-9111	Statistical Assistants	2,200	2,200	0	0.0	100	\$16.85	1-12 MO OJT
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other (OES Only)	70,500	71,500	1,000	1.4	2,800	\$11.80	30-DAY OJT
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>32,200</b>	<b>33,300</b>	<b>1,100</b>	<b>3.4</b>	<b>1,700</b>	<b>\$7.87</b>	
45-1000	Supervisors, Farming, Fishing, and Forestry Workers	1,700	1,800	100	5.9	100	NA	
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	1,700	1,800	100	5.9	100	\$15.52	WORK EXPER
45-2000	Agricultural Workers	22,700	23,900	1,200	5.3	1,300	NA	
45-2011	Agricultural Inspectors	3,500	3,500	0	0.0	200	\$12.43	WORK EXPER
45-2041	Graders and Sorters, Agricultural Products	4,900	5,100	200	4.1	300	\$7.42	WORK EXPER
45-2091	Agricultural Equipment Operators	1,100	1,200	100	9.1	100	\$8.58	1-12 MO OJT
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	11,000	11,800	800	7.3	700	\$7.71	30-DAY OJT
45-2093	Farmworkers, Farm and Ranch Animals	2,200	2,300	100	4.5	100	\$7.90	30-DAY OJT
45-4000	Forest, Conservation, and Logging Workers	4,300	4,000	-300	-7.0	200	NA	
45-4011	Forest and Conservation Workers	2,300	2,300	0	0.0	100	\$8.28	1-12 MO OJT
45-4022	Logging Equipment Operators	1,200	1,100	-100	-8.3	0	\$16.40	1-12 MO OJT
45-9099	Farming, Fishing, and Forestry Workers, All Other [5]	3,500	3,600	100	2.9	200	\$10.12	1-12 MO OJT
<b>47-0000</b>	<b>Construction and Extraction Occupations</b>	<b>717,600</b>	<b>758,100</b>	<b>40,500</b>	<b>5.6</b>	<b>26,200</b>	<b>\$19.03</b>	
47-1000	Supervisors, Construction and Extraction Workers	48,300	50,500	2,200	4.6	1,400	NA	
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	48,300	50,500	2,200	4.6	1,400	\$28.89	WORK EXPER
47-2000	Construction Trades Workers	577,500	611,100	33,600	5.8	19,400	NA	
47-2021	Brickmasons and Blockmasons	6,800	7,200	400	5.9	200	\$21.15	12-MO OJT
47-2022	Stonemasons	1,300	1,400	100	7.7	0	\$20.93	12-MO OJT
47-2031	Carpenters	120,100	127,100	7,000	5.8	3,500	\$20.81	12-MO OJT
47-2041	Carpet Installers	9,900	10,500	600	6.1	300	\$16.59	1-12 MO OJT
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	3,100	3,200	100	3.2	100	\$16.94	1-12 MO OJT
47-2043	Floor Sanders and Finishers	1,000	1,100	100	10.0	0	\$18.59	1-12 MO OJT

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
47-2044	Tile and Marble Setters	9,000	9,700	700	7.8	200	\$19.19	12-MO OJT
47-2051	Cement Masons and Concrete Finishers	25,100	27,000	1,900	7.6	900	\$18.97	12-MO OJT
47-2053	Terrazzo Workers and Finishers	1,800	2,000	200	11.1	100	\$11.04	12-MO OJT
47-2061	Construction Laborers	105,500	111,200	5,700	5.4	2,600	\$14.56	1-12 MO OJT
47-2071	Paving, Surfacing, and Tamping Equipment Operators	4,500	4,700	200	4.4	100	\$21.10	1-12 MO OJT
47-2073	Operating Engineers and Other Construction Equipment Operators	27,600	28,400	800	2.9	1,400	\$26.52	1-12 MO OJT
47-2081	Drywall and Ceiling Tile Installers	28,100	30,100	2,000	7.1	1,100	\$20.24	1-12 MO OJT
47-2082	Tapers	9,700	10,400	700	7.2	400	\$22.06	1-12 MO OJT
47-2111	Electricians	54,300	58,000	3,700	6.8	2,000	\$22.24	12-MO OJT
47-2121	Glaziers	5,600	5,900	300	5.4	200	\$19.56	12-MO OJT
47-2130	Insulation Workers	3,200	3,400	200	6.3	200	\$16.55	1-12 MO OJT
47-2141	Painters, Construction and Maintenance	39,700	41,700	2,000	5.0	1,100	\$15.24	1-12 MO OJT
47-2151	Pipelayers	4,100	4,200	100	2.4	200	\$21.26	1-12 MO OJT
47-2152	Plumbers, Pipefitters, and Steamfitters	44,900	47,700	2,800	6.2	2,000	\$20.91	12-MO OJT
47-2161	Plasterers and Stucco Masons	17,400	18,300	900	5.2	600	\$16.71	12-MO OJT
47-2171	Reinforcing Iron and Rebar Workers	6,000	6,300	300	5.0	200	\$20.96	12-MO OJT
47-2181	Roofers	17,900	19,000	1,100	6.1	800	\$18.51	1-12 MO OJT
47-2211	Sheet Metal Workers	20,600	21,800	1,200	5.8	1,000	\$19.12	1-12 MO OJT
47-2221	Structural Iron and Steel Workers	8,100	8,500	400	4.9	300	\$23.25	12-MO OJT
47-3000	Helpers, Construction Trades	43,600	45,800	2,200	5.0	3,600	NA	
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	7,700	7,900	200	2.6	600	\$12.03	30-DAY OJT
47-3012	Helpers--Carpenters	8,800	9,300	500	5.7	700	\$12.46	30-DAY OJT
47-3013	Helpers--Electricians	8,900	9,400	500	5.6	700	\$14.63	30-DAY OJT
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	6,700	7,000	300	4.5	500	\$9.07	30-DAY OJT
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	6,600	6,800	200	3.0	500	\$12.03	30-DAY OJT
47-3016	Helpers--Roofers	1,800	1,900	100	5.6	200	\$10.77	30-DAY OJT
47-3019	Helpers, Construction Trades, All Other	3,200	3,400	200	6.3	300	\$9.76	30-DAY OJT
47-4000	Other Construction and Related Workers	27,400	28,500	1,100	4.0	1,000	NA	
47-4011	Construction and Building Inspectors	9,300	9,400	100	1.1	400	\$27.87	WORK EXPER
47-4021	Elevator Installers and Repairers	2,000	2,100	100	5.0	100	\$10.77	12-MO OJT
47-4031	Fence Erectors	5,800	6,100	300	5.2	200	\$10.19	1-12 MO OJT
47-4041	Hazardous Materials Removal Workers	4,600	4,900	300	6.5	200	\$14.93	1-12 MO OJT
47-4051	Highway Maintenance Workers	4,500	4,500	0	0.0	100	\$19.12	1-12 MO OJT
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	1,100	1,200	100	9.1	100	\$17.84	1-12 MO OJT
47-4999	Construction Trades and Related Workers, All Other [5]	12,600	13,900	1,300	10.3	400	\$12.85	1-12 MO OJT
47-5000	Extraction Workers	8,200	8,400	200	2.4	400	NA	
47-5012	Rotary Drill Operators, Oil and Gas	1,300	1,300	0	0.0	100	\$19.37	1-12 MO OJT
47-5013	Service Unit Operators, Oil, Gas, and Mining	1,100	1,100	0	0.0	100	\$20.73	1-12 MO OJT
47-5021	Earth Drillers, Except Oil and Gas	1,500	1,500	0	0.0	100	\$17.87	1-12 MO OJT
47-5071	Roustabouts, Oil and Gas	1,100	1,200	100	9.1	100	\$13.48	1-12 MO OJT
47-5081	Helpers--Extraction Workers	1,700	1,700	0	0.0	100	\$14.02	30-DAY OJT
<b>49-0000</b>	<b>Installations, Maintenance, and Repair Occupations</b>	<b>511,400</b>	<b>530,200</b>	<b>18,800</b>	<b>3.7</b>	<b>22,600</b>	<b>\$18.15</b>	
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	39,700	41,200	1,500	3.8	1,800	NA	
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	39,700	41,200	1,500	3.8	1,800	\$26.68	WORK EXPER
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	76,600	78,200	1,600	2.1	2,600	NA	
49-2011	Computer, Automated Teller, and Office Machine Repairers	17,000	17,200	200	1.2	400	\$16.74	POST-SEC VOC-ED
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,000	31,200	200	0.6	1,100	\$23.90	POST-SEC VOC-ED
49-2091	Avionics Technicians	2,000	2,100	100	5.0	100	\$23.56	POST-SEC VOC-ED
49-2092	Electric Motor, Power Tool, and Related Repairers	3,100	3,200	100	3.2	100	\$15.97	POST-SEC VOC-ED
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	1,900	2,000	100	5.3	100	\$21.62	POST-SEC VOC-ED
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	8,900	9,100	200	2.2	400	\$22.52	POST-SEC VOC-ED
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	3,300	3,500	200	6.1	200	\$12.84	POST-SEC VOC-ED

California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	2,000	2,000	0	0.0	100	\$15.55	POST-SEC VOC-ED
49-2098	Security and Fire Alarm Systems Installers	5,200	5,700	500	9.6	200	\$16.81	POST-SEC VOC-ED
49-3000	Vehicle and Mobile Equipment Mechanics, Installers	162,300	168,600	6,300	3.9	8,400	NA	
49-3011	Aircraft Mechanics and Service Technicians	9,800	10,100	300	3.1	400	\$22.11	POST-SEC VOC-ED
49-3021	Automotive Body and Related Repairers	16,300	17,000	700	4.3	600	\$17.58	12-MO OJT
49-3022	Automotive Glass Installers and Repairers	2,000	2,100	100	5.0	100	\$13.68	12-MO OJT
49-3023	Automotive Service Technicians and Mechanics	75,400	78,800	3,400	4.5	3,900	\$16.37	POST-SEC VOC-ED
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	26,000	26,800	800	3.1	1,300	\$19.84	POST-SEC VOC-ED
49-3041	Farm Equipment Mechanics	2,200	2,200	0	0.0	100	\$14.53	POST-SEC VOC-ED
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	9,400	9,600	200	2.1	400	\$21.87	POST-SEC VOC-ED
49-3043	Rail Car Repairers	1,000	1,100	100	10.0	0	\$20.76	12-MO OJT
49-3052	Motorcycle Mechanics	1,600	1,700	100	6.3	100	\$15.84	12-MO OJT
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	1,600	1,700	100	6.3	100	\$12.61	1-12 MO OJT
49-3091	Bicycle Repairers	1,300	1,300	0	0.0	100	\$15.00	1-12 MO OJT
49-3092	Recreational Vehicle Service Technicians	1,300	1,400	100	7.7	100	\$13.89	12-MO OJT
49-3093	Tire Repairers and Changers	9,300	9,700	400	4.3	900	\$10.68	30-DAY OJT
49-3099	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers, All Other [5]	4,000	4,100	100	2.5	200	NA	1-12 MO OJT
49-9000	Other Installation, Maintenance, and Repair Occupations	232,800	242,200	9,400	4.0	9,700	NA	
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	4,200	4,300	100	2.4	200	\$25.75	1-12 MO OJT
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	11,700	12,600	900	7.7	300	\$20.77	12-MO OJT
49-9031	Home Appliance Repairers	3,500	3,500	0	0.0	200	\$16.99	12-MO OJT
49-9041	Industrial Machinery Mechanics	10,500	10,900	400	3.8	400	\$21.41	12-MO OJT
49-9042	Maintenance and Repair Workers, General	123,200	128,000	4,800	3.9	4,400	\$15.48	12-MO OJT
49-9043	Maintenance Workers, Machinery	5,300	5,500	200	3.8	200	\$16.94	12-MO OJT
49-9044	Millwrights	6,100	6,100	0	0.0	300	\$15.71	12-MO OJT
49-9051	Electrical Power-Line Installers and Repairers	4,600	4,800	200	4.3	300	\$30.73	12-MO OJT
49-9052	Telecommunications Line Installers and Repairers	15,300	16,100	800	5.2	800	\$22.94	12-MO OJT
49-9062	Medical Equipment Repairers	3,100	3,100	0	0.0	200	\$16.05	1-12 MO OJT
49-9069	Precision Instrument and Equipment Repairers, All Other	2,200	2,200	0	0.0	100	\$23.64	12-MO OJT
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	2,800	2,900	100	3.6	100	\$15.00	1-12 MO OJT
49-9094	Locksmiths and Safe Repairers	2,900	3,100	200	6.9	200	\$15.06	1-12 MO OJT
49-9098	Helpers--Installation, Maintenance, and Repair Workers	17,600	18,500	900	5.1	1,300	\$10.36	30-DAY OJT
49-9099	Installation, Maintenance, and Repair Workers, All Other	15,700	16,300	600	3.8	700	\$16.89	12-MO OJT
<b>51-0000</b>	<b>Production Occupations</b>	<b>1,052,200</b>	<b>1,078,900</b>	<b>26,700</b>	<b>2.5</b>	<b>47,900</b>	<b>\$11.08</b>	
51-1000	Supervisors, Production Workers	65,700	67,900	2,200	3.3	2,500	NA	
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	65,700	67,900	2,200	3.3	2,500	\$22.22	WORK EXPER
51-2000	Assemblers and Fabricators	210,100	212,700	2,600	1.2	10,400	NA	
51-2021	Coil Winders, Tapers, and Finishers	2,700	2,700	0	0.0	100	\$9.61	30-DAY OJT
51-2022	Electrical and Electronic Equipment Assemblers	36,100	35,800	-300	-0.8	1,600	\$11.34	30-DAY OJT
51-2023	Electromechanical Equipment Assemblers	9,500	9,500	0	0.0	400	\$12.74	30-DAY OJT
51-2031	Engine and Other Machine Assemblers	1,500	1,500	0	0.0	100	\$14.12	30-DAY OJT
51-2041	Structural Metal Fabricators and Fitters	7,500	7,700	200	2.7	300	\$14.03	1-12 MO OJT
51-2091	Fiberglass Laminators and Fabricators	2,200	2,300	100	4.5	100	\$11.12	1-12 MO OJT
51-2092	Team Assemblers	108,500	109,300	800	0.7	5,500	\$10.09	1-12 MO OJT
51-2099	Assemblers and Fabricators, All Other	37,800	39,500	1,700	4.5	1,900	\$8.72	1-12 MO OJT
51-3000	Food Processing Workers	68,900	72,100	3,200	4.6	3,300	NA	
51-3011	Bakers	21,700	22,800	1,100	5.1	1,000	\$11.50	12-MO OJT
51-3021	Butchers and Meat Cutters	17,800	18,100	300	1.7	800	\$13.34	12-MO OJT
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	7,800	8,200	400	5.1	400	\$8.88	30-DAY OJT
51-3023	Slaughtering and Meat Packers	4,400	4,700	300	6.8	200	\$9.70	1-12 MO OJT
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	2,700	2,900	200	7.4	200	\$12.75	30-DAY OJT
51-3092	Food Batchmakers	8,900	9,400	500	5.6	500	\$10.06	30-DAY OJT

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

<b>Occupational Code</b>	<b>Occupational Title</b>	<b>2003</b>	<b>2005</b>	<b>Growth Numerical</b>	<b>Growth Percent</b>	<b>Separations</b>	<b>Median Hourly Wage</b>	<b>Education &amp; Training Level</b>
51-3093	Food Cooking Machine Operators and Tenders	3,600	3,700	100	2.8	200	\$10.65	30-DAY OJT
51-3099	Food Processing Workers, All Other [5]	2,000	2,200	200	10.0	100	\$7.91	30-DAY OJT
51-4000	Metal Workers and Plastic Workers	179,200	184,300	5,100	2.8	8,200	NA	
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	11,800	12,200	400	3.4	300	\$14.35	12-MO OJT
51-4012	Numerical Tool and Process Control Programmers	1,800	1,900	100	5.6	100	\$22.43	12-MO OJT
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	6,400	6,500	100	1.6	400	\$11.90	1-12 MO OJT
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	2,500	2,500	0	0.0	100	\$13.54	1-12 MO OJT
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	3,200	3,300	100	3.1	100	\$11.78	1-12 MO OJT
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	19,900	20,300	400	2.0	900	\$11.43	1-12 MO OJT
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	3,900	4,000	100	2.6	200	\$12.25	1-12 MO OJT
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	10,900	11,100	200	1.8	400	\$10.62	1-12 MO OJT
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	5,300	5,400	100	1.9	200	\$13.28	1-12 MO OJT
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	2,800	2,800	0	0.0	100	\$13.86	1-12 MO OJT
51-4041	Machinists	36,800	38,000	1,200	3.3	1,600	\$16.25	12-MO OJT
51-4071	Foundry Mold and Coremakers	1,500	1,600	100	6.7	100	\$10.61	1-12 MO OJT
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	12,100	12,300	200	1.7	600	\$9.08	1-12 MO OJT
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	6,800	7,000	200	2.9	400	\$12.94	1-12 MO OJT
51-4111	Tool and Die Makers	4,200	4,300	100	2.4	200	\$21.28	12-MO OJT
51-4121	Welders, Cutters, Solderers, and Brazers	29,100	30,600	1,500	5.2	1,600	\$14.36	POST-SEC VOC-ED
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	2,800	2,900	100	3.6	200	\$13.66	1-12 MO OJT
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	1,500	1,500	0	0.0	100	\$12.57	1-12 MO OJT
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	4,100	4,200	100	2.4	200	\$10.93	1-12 MO OJT
51-4194	Tool Grinders, Filers, and Sharpeners	2,000	2,000	0	0.0	100	\$12.72	1-12 MO OJT
51-4199	Metal Workers and Plastic Workers, All Other	6,500	6,700	200	3.1	300	\$9.70	1-12 MO OJT
51-5000	Printing Workers	39,500	39,100	-400	-1.0	1,800	NA	
51-5011	Bindery Workers	7,100	6,900	-200	-2.8	400	\$10.91	1-12 MO OJT
51-5021	Job Printers	6,700	6,700	0	0.0	300	\$18.03	12-MO OJT
51-5022	Prepress Technicians and Workers	7,800	7,600	-200	-2.6	400	\$16.15	12-MO OJT
51-5023	Printing Machine Operators	16,700	16,700	0	0.0	700	\$13.56	1-12 MO OJT
51-6000	Textile, Apparel, and Furnishings Workers	127,500	128,000	500	0.4	4,500	NA	
51-6011	Laundry and Dry-Cleaning Workers	19,900	20,200	300	1.5	1,100	\$8.39	1-12 MO OJT
51-6021	Pressers, Textile, Garment, and Related Materials	15,100	15,000	-100	-0.7	400	\$8.52	30-DAY OJT
51-6031	Sewing Machine Operators	54,300	53,700	-600	-1.1	1,200	\$8.06	1-12 MO OJT
51-6041	Shoe and Leather Workers and Repairers	1,100	1,100	0	0.0	100	\$8.99	12-MO OJT
51-6051	Sewers, Hand	4,700	4,800	100	2.1	200	\$8.74	30-DAY OJT
51-6052	Tailors, Dressmakers, and Custom Sewers	4,400	4,400	0	0.0	100	\$12.44	WORK EXPER
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	3,200	3,300	100	3.1	200	\$7.49	1-12 MO OJT
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	5,400	5,600	200	3.7	200	\$8.51	1-12 MO OJT
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	2,900	3,000	100	3.4	100	\$8.13	12-MO OJT
51-6092	Fabric and Apparel Patternmakers	3,100	3,100	0	0.0	400	\$18.38	12-MO OJT
51-6093	Upholsterers	5,500	5,300	-200	-3.6	300	\$10.88	12-MO OJT
51-6099	Textile, Apparel, and Furnishings Workers, All Other	6,400	7,000	600	9.4	300	\$8.57	1-12 MO OJT
51-7000	Woodworkers	32,200	32,500	300	0.9	1,600	NA	
51-7011	Cabinetmakers and Bench Carpenters	15,900	16,100	200	1.3	800	\$10.96	12-MO OJT
51-7021	Furniture Finishers	3,200	3,200	0	0.0	100	\$9.74	12-MO OJT
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	3,700	3,700	0	0.0	200	\$10.14	1-12 MO OJT
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	6,500	6,500	0	0.0	300	\$9.49	1-12 MO OJT
51-7099	Woodworkers, All Other	2,200	2,300	100	4.5	100	\$8.96	1-12 MO OJT
51-8000	Plant and System Operators	30,800	31,200	400	1.3	1,700	NA	
51-8013	Power Plant Operators	4,100	4,200	100	2.4	200	\$27.78	12-MO OJT
51-8021	Stationary Engineers and Boiler Operators	6,300	6,300	0	0.0	200	\$26.49	12-MO OJT



**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
51-8031	Water and Liquid Waste Treatment Plant and System Operators	9,000	9,200	200	2.2	600	\$23.50	12-MO OJT
51-8091	Chemical Plant and System Operators	1,200	1,200	0	0.0	100	\$21.64	12-MO OJT
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	5,500	5,500	0	0.0	300	\$24.95	12-MO OJT
51-8099	Plant and System Operators, All Other	3,400	3,400	0	0.0	200	\$21.70	12-MO OJT
51-9000	Other Production Occupations	298,400	311,200	12,800	4.3	14,000	NA	
51-9011	Chemical Equipment Operators and Tenders	1,900	2,000	100	5.3	100	\$17.16	1-12 MO OJT
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	5,800	6,100	300	5.2	300	\$14.31	1-12 MO OJT
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	2,800	2,900	100	3.6	100	\$11.38	1-12 MO OJT
51-9022	Grinding and Polishing Workers, Hand	6,200	6,400	200	3.2	300	\$9.87	1-12 MO OJT
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	7,800	8,100	300	3.8	400	\$13.18	1-12 MO OJT
51-9031	Cutters and Trimmers, Hand	4,900	4,900	0	0.0	200	\$9.28	30-DAY OJT
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	7,000	7,200	200	2.9	300	\$10.20	1-12 MO OJT
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and	5,900	6,000	100	1.7	300	\$11.08	1-12 MO OJT
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	1,200	1,200	0	0.0	100	\$11.70	1-12 MO OJT
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	54,400	56,100	1,700	3.1	2,400	\$12.93	1-12 MO OJT
51-9071	Jewelers and Precious Stone and Metal Workers	4,300	4,400	100	2.3	200	\$12.40	POST-SEC VOC-ED
51-9081	Dental Laboratory Technicians	5,200	5,200	0	0.0	200	\$14.62	12-MO OJT
51-9082	Medical Appliance Technicians	1,200	1,200	0	0.0	100	\$14.85	12-MO OJT
51-9083	Ophthalmic Laboratory Technicians	2,000	2,000	0	0.0	100	\$10.51	1-12 MO OJT
51-9111	Packaging and Filling Machine Operators and Tenders	43,700	46,900	3,200	7.3	1,700	\$9.34	30-DAY OJT
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	7,100	7,300	200	2.8	400	\$10.92	1-12 MO OJT
51-9122	Painters, Transportation Equipment	6,300	6,800	500	7.9	300	\$19.13	1-12 MO OJT
51-9123	Painting, Coating, and Decorating Workers	4,100	4,200	100	2.4	200	\$9.55	30-DAY OJT
51-9131	Photographic Process Workers	2,900	3,000	100	3.4	100	\$10.73	1-12 MO OJT
51-9132	Photographic Processing Machine Operators	5,500	5,600	100	1.8	300	\$12.14	30-DAY OJT
51-9141	Semiconductor Processors	11,200	11,400	200	1.8	500	\$13.71	AA DEGREE
51-9191	Cementing and Gluing Machine Operators and Tenders	2,600	2,500	-100	-3.8	100	\$9.47	1-12 MO OJT
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	1,600	1,700	100	6.3	100	\$9.57	1-12 MO OJT
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	2,300	2,300	0	0.0	100	\$10.24	1-12 MO OJT
51-9196	Paper Goods Machine Setters, Operators, and Tenders	7,300	7,300	0	0.0	300	\$14.17	1-12 MO OJT
51-9198	Helpers--Production Workers	41,600	42,900	1,300	3.1	2,400	\$8.86	30-DAY OJT
51-9199	Production Workers, All Other	50,200	54,200	4,000	8.0	2,300	\$8.69	1-12 MO OJT
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>1,015,900</b>	<b>1,050,900</b>	<b>35,000</b>	<b>3.4</b>	<b>49,300</b>	<b>\$11.08</b>	
53-1000	Supervisors, Transportation and Material Moving Workers	40,500	41,400	900	2.2	1,800	NA	
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	16,500	17,000	500	3.0	700	\$20.34	WORK EXPER
53-1031	First-Line Sups/Mgrs of Trans. & Material-Moving Machine & Vehicle Operators	23,200	23,600	400	1.7	1,000	\$23.84	WORK EXPER
53-2000	Air Transportation Workers	11,900	12,300	400	3.4	600	NA	
53-2011	Airline Pilots, Copilots, and Flight Engineers	6,500	6,800	300	4.6	300	[4]	BA/BS DEGREE
53-2012	Commercial Pilots	1,500	1,600	100	6.7	100	[4]	POST-SEC VOC-ED
53-2021	Air Traffic Controllers	2,100	2,100	0	0.0	100	\$52.54	12-MO OJT
53-2022	Airfield Operations Specialists	1,100	1,200	100	9.1	100	\$27.56	30-DAY OJT
53-3000	Motor Vehicle Operators	358,700	370,100	11,400	3.2	9,600	NA	
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	1,500	1,600	100	6.7	0	\$10.62	1-12 MO OJT
53-3021	Bus Drivers, Transit and Intercity	33,800	33,900	100	0.3	1,400	\$17.82	1-12 MO OJT
53-3022	Bus Drivers, School	22,800	22,900	100	0.4	900	\$12.96	30-DAY OJT
53-3031	Driver/Sales Workers	45,900	46,900	1,000	2.2	1,400	\$8.96	30-DAY OJT
53-3032	Truck Drivers, Heavy and Tractor-Trailer	122,500	127,300	4,800	3.9	3,700	\$17.11	1-12 MO OJT
53-3033	Truck Drivers, Light or Delivery Services	105,100	109,400	4,300	4.1	1,700	\$11.79	30-DAY OJT
53-3041	Taxi Drivers and Chauffeurs	14,600	14,800	200	1.4	200	\$9.68	30-DAY OJT
53-3099	Motor Vehicle Operators, All Other	12,600	13,400	800	6.3	300	\$10.62	30-DAY OJT
53-4000	Rail Transportation Workers	8,200	8,200	0	0.0	500	NA	

**California Short-Term Occupational Employment Projections 2003-2005 [1] [2] [3]**

Table 4

Occupational Code	Occupational Title	2003	2005	Growth Numerical	Growth Percent	Separations	Median Hourly Wage	Education & Training Level
53-4011	Locomotive Engineers	1,700	1,700	0	0.0	100	\$27.52	WORK EXPER
53-4031	Railroad Conductors and Yardmasters	1,700	1,700	0	0.0	100	\$23.20	WORK EXPER
53-4041	Subway and Streetcar Operators	3,000	2,900	-100	-3.3	200	NA	WORK EXPER
53-5000	Water Transportation Workers	5,800	5,900	100	1.7	400	NA	
53-5011	Sailors and Marine Oilers	2,700	2,700	0	0.0	200	\$15.01	30-DAY OJT
53-5021	Captains, Mates, and Pilots of Water Vessels	1,700	1,800	100	5.9	100	\$22.08	WORK EXPER
53-6000	Other Transportation Workers	40,800	41,700	900	2.2	3,000	NA	
53-6021	Parking Lot Attendants	22,000	22,500	500	2.3	1,400	\$8.15	30-DAY OJT
53-6031	Service Station Attendants	8,300	8,500	200	2.4	900	\$9.15	30-DAY OJT
53-6041	Traffic Technicians	1,100	1,200	100	9.1	100	NA	30-DAY OJT
53-6051	Transportation Inspectors	2,100	2,100	0	0.0	100	\$26.51	WORK EXPER
53-6099	Transportation Workers, All Other	7,100	7,300	200	2.8	500	\$20.48	30-DAY OJT
53-7000	Material Moving Workers	550,000	571,300	21,300	3.9	33,500	NA	
53-7011	Conveyor Operators and Tenders	7,100	7,400	300	4.2	400	\$12.11	30-DAY OJT
53-7021	Crane and Tower Operators	3,400	3,500	100	2.9	100	\$30.53	1-12 MO OJT
53-7032	Excavating and Loading Machine and Dragline Operators	3,100	3,200	100	3.2	200	\$21.89	1-12 MO OJT
53-7051	Industrial Truck and Tractor Operators	60,500	62,600	2,100	3.5	2,200	\$13.65	30-DAY OJT
53-7061	Cleaners of Vehicles and Equipment	49,200	50,800	1,600	3.3	3,800	\$8.30	30-DAY OJT
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	270,200	280,600	10,400	3.8	20,300	\$9.29	30-DAY OJT
53-7063	Machine Feeders and Offbearers	14,300	14,400	100	0.7	800	\$9.74	30-DAY OJT
53-7064	Packers and Packagers, Hand	117,000	122,400	5,400	4.6	4,400	\$8.10	30-DAY OJT
53-7081	Refuse and Recyclable Material Collectors	14,000	14,800	800	5.7	700	\$16.82	30-DAY OJT
53-7121	Tank Car, Truck, and Ship Loaders	3,300	3,300	0	0.0	200	\$16.77	1-12 MO OJT
53-7199	Material Moving Workers, All Other	6,000	6,200	200	3.3	300	\$14.79	30-DAY OJT
[1] Occupations with employment below 1000 in 2003 are excluded.								
[2] Subtotals may not add to the California total due to rounding and the suppression of data.								
[3] Some data are suppressed because of confidentiality, excessive standard error, or other issues.								
[4] For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.								
[5] Because of the 2000 revision in SOC codes, the employment for these occupations will be redirected to other codes in the future. These occupations are not in the SOC Manual, but are included here because in some cases, they represent substantial employment.								
NA-Not Available								
<b>Education and Training Levels</b>								
LLD/MD DEGREE=FIRST PROFESSIONAL DEGREE								
PHD DEGREE=DOCTORAL DEGREE								
MA/MS DEGREE=MASTER'S DEGREE								
BA/BS + EXPER=BACHELOR'S OR HIGHER AND SOME WORK EXPERIENCE								
BA/BS DEGREE=BACHELOR'S DEGREE								
AA DEGREE=ASSOCIATE DEGREE								
POST-SEC VOC-ED=POST-SECONDARY VOCATIONAL EDUCATION								
WORK EXPER=WORK EXPERIENCE								
12-MO OJT=LONG-TERM ON-THE-JOB-TRAINING								
1-12 MO OJT=MODERATE-TERM ON-THE-JOB-TRAINING								
30-DAY OJT=SHORT-TERM ON-THE-JOB-TRAINING								